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AIR FORCE OCCUPATIONAL MEASUREMENT CENTER LACKLAND A--ETC F/G 5/9
SUMMARY REPORT FOR AFSCS TRAINED AT CHANUTE AFB. (U)

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OCCUPATIONAL SURVEY REPORT. ELECTRONIC PRINCIPLES.

Report on

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OCCUPATIONAL SURVEY BRANCH
USAF OCCUPATIONAL MEASUREMENT CENTER
LACKLAND AFB TEXAS 78236

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PREFACE

This report presents a summary of the results of a detailed Air Force Electronic Principles Survey of airmen in Air Force Specialties for which training is provided at Chanute AFB.

The Electronic Principles Inventory (EPI) was developed by Major Thomas J. O'Connor and Mr. Hendrick W. Ruck and the survey report was prepared by Capt Charles D. Gorman. All are members of the Occupational Survey Branch, USAF Occupational Measurement Center, Lackland AFB, Texas.

Computer programs for analyzing the data were designed by Dr. Raymond E. Christal, Occupational and Manpower Research Division, Air Force Human Resources Laboratory (AFHRL), and were written by the Project Analysis and Programming Branch, Computational Sciences Division, AFHRL.

Distribution of this report is made upon request to the USAF Occupational Measurement Center, attention of the Chief, Occupational Survey Branch (OMY), Lackland AFB, Texas 78236.

This report has been reviewed and is approved.

JAMES A. TURNER, JR., Colonel, USAF
Commander
USAF Occupational Measurement Center

WALTER E. DRISKILL, Ph.D.
Chief, Occupational Survey Branch
USAF Occupational Measurement Center

ELECTRONIC PRINCIPLES OCCUPATIONAL SURVEY REPORT
SUMMARY FOR AFSCs TRAINED AT CHANUTE AFB

INTRODUCTION

This report summarizes the results of the administration of the Electronic Principles Inventory (EPI) to airmen assigned to Air Force Specialties for which training is provided at Chanutte AFB. The data for this report were collected during the period January 1976 through September 1977.

This report describes: (1) development and administration of the survey instrument; and (2) electronic principles used by airmen in specialties trained at Chanutte AFB. This report is intended as a summary of EPI data. More complete information on any given AFSC can be obtained by examining the Electronic Principles Occupational Survey Report for that AFSC. Such reports are available upon request from the USAF Occupational Measurement Center, Lackland AFB, Texas 78236.

DEVELOPMENT OF THE ELECTRONIC PRINCIPLES INVENTORY (EPI)

EPI was developed by personnel from the Occupational Survey Branch who were well qualified in theoretical physics and electronics, as well as in task analysis and survey development. Over 300 maintenance personnel from SAC, TAC, ADC, MAC, and AFCS participated in the development of the inventory. Representing the five ATC training centers, electronics experts who averaged 12 years of maintenance experience and four years of electronic principles instruction experience spent several weeks refining the EPI. In addition, personnel at the Electrical Engineering Department of the USAF Academy and the Air Force Human Resources Laboratory were consulted during the development of the inventory.

The final version of the EPI used in this survey contained 1,257 items in 62 subject matter areas covering all electronic principles training given at the five ATC technical training centers. Table 1 lists the 62 subject areas and the item numbers contained therein.

A more detailed history of the development and validation of the Electronic Principles Inventory is contained in OM Technical Note 77-02, The Development and Application of the Electronic Principles Job Inventory, October 1977. Copies of this Technical Note are available upon request to the Branch Chief, OMY, USAF Occupational Measurement Center, Lackland AFB, Texas 78236.

ADMINISTRATION

The Electronic Principles Inventory was administered either by mail or in person to airmen in 20 specialties for which training is provided at Chanute AFB. Those specialties are listed in Table 2. More detailed information concerning the survey sample for any given specialty can be obtained from the previously mentioned report for that specialty.

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TABLE 1
EPI SUBJECT AREAS

<u>SUBJECT AREA TITLE</u>	<u>BEGINNING ITEM NUMBER</u>
MATHEMATICS	A1
DIRECT CURRENT AND VOLTAGE	A15
RESISTANCE	A24
MULTIMETER USES	B52
ALTERNATING CURRENT	B61
INDUCTORS AND INDUCTIVE REACTANCE	B67
CAPACITORS AND CAPACITIVE REACTANCE	C92
TRANSFORMERS	C128
MAGNETISM	C171
RCL CIRCUITS	D185
SERIES AND PARALLEL RESONANCE (TIME CONSTANTS)	D229
FILTERS	D239
COUPLING	E261
SOLDERING	E273
RELAYS	E295
MICROPHONES	F314
SPEAKERS	F327
OSCILLOSCOPES	F342
SEMICONDUCTOR DIODES	G354
TRANSISTORS	G404
TRANSISTOR AMPLIFIERS	G428
SOLID-STATE SPECIAL PURPOSE DEVICES	H477
POWER SUPPLIES	H483
OSCILLATORS	H512
MULTIVIBRATORS	I539
LIMITERS AND CLAMPERS	I555
ELECTRON TUBES	I565
ELECTRON TUBE AMPLIFIERS AND CIRCUITS	J609
SPECIAL PURPOSE ELECTRON TUBES	J616
HETERODYNING, MODULATION, AND DEMODULATION	J632
AM SYSTEMS	K638
FM SYSTEMS	K666

TABLE 1 (CONTINUED)

EPI SUBJECT AREAS

<u>SUBJECT AREA TITLE</u>	<u>BEGINNING ITEM NUMBER</u>
NUMBERING SYSTEMS	K685
LOGIC FUNCTIONS	L695
BOOOLEAN EQUATIONS	L708
COUNTERS	L733
TIMING CIRCUITS	M757
USE OF SIGNAL GENERATORS	M769
MOTORS AND GENERATORS	M779
METER MOVEMENTS	N808
SATURABLE REACTORS AND MAGNETIC AMPLIFIERS	N818
WAVESHAPING CIRCUITS	N834
SINGLE SIDEBAND SYSTEMS	O845
PULSE MODULATION SYSTEMS	O875
ANTENNAS	O914
TRANSMISSION LINES	P953
WAVEGUIDES AND CAVITY RESONATORS	P984
MICROWAVE AMPLIFIERS AND OSCILLATORS	P1034
REGISTERS	Q1110
STORAGE DEVICES	Q1117
DIGITAL TO ANALOG CONVERTERS	Q1126
PHANTASTRONS	Q1140
SCHMITT TRIGGERS	R1141
CABLE FABRICATION	R1144
INPUT/OUTPUT DEVICES	S1146
PHOTO SENSITIVE DEVICES	S1149
SYNCHRONOUS VIBRATIONS (CHOPPER CIRCUITS)	S1150
INFRARED	T1159
LASERS	T1186
DISPLAY TUBES	T1220
PROGRAMMING	U1234
DB AND POWER RATIOS	U1255

TABLE 2
SPECIALTIES FOR WHICH DATA ARE PROVIDED
IN THIS REPORT

302X0	316X2T
302X1	325X0
316X0	325X1
316XOF	341X1
316XOG	341X2
316XOS	341X3
316XOT	341X4
316X2F	341X5
316X2G	341X6
316X2H	423X0

PRESENTATION OF RESULTS

Personnel responded "yes" or "no" to the 1,257 electronic principles questions as related to their present job. Group Summary (GPSUM) computer printouts are provided in the Appendix portion of this report. They summarize responses to the inventory by AFSC groups. The first page of the Group Summary lists the groups for which data are presented. The remainder of the Group Summary displays the percentage of each group who answered "yes" to each question asked in the EPI.

APPENDIX

PCT MBRS RESPONDING 'YES' BY DAFSC GROUPS

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AF HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND

TABULATION OF PERCENT MEMBERS RESPONDING 'YES' TO
QUESTIONS BY DAFSC GROUPS

REPORTS ON THE FOLLOWING GROUPS WERE REQUESTED

GROUP IDENTITY =	SPC001	ALL	AIRMEN	DAFSC	30250	CONTAINING	111	MEMBERS.
GROUP IDENTITY =	SPC026	ALL	AIRMEN	DAFSC	30251	CONTAINING	10	MEMBERS.
GROUP IDENTITY =	SPC600	ALL	AIRMEN	DAFSC	31650	CONTAINING	782	MEMBERS.
GROUP IDENTITY =	SPC601	ALL	AIRMEN	DAFSC	31650F	CONTAINING	153	MEMBERS.
GROUP IDENTITY =	SPC602	ALL	AIRMEN	DAFSC	31650F	CONTAINING	336	MEMBERS.
GROUP IDENTITY =	SPC603	ALL	AIRMEN	DAFSC	31650S	CONTAINING	36	MEMBERS.
GROUP IDENTITY =	SPC604	ALL	AIRMEN	DAFSC	31650T	CONTAINING	203	MEMBERS.
GROUP IDENTITY =	SPC605	ALL	AIRMEN	DAFSC	31652F/6/H/7	CONTAINING	106	MEMBERS.
GROUP IDENTITY =	SPC606	ALL	AIRMEN	DAFSC	31652F	CONTAINING	27	MEMBERS.
GROUP IDENTITY =	SPC607	ALL	AIRMEN	DAFSC	31652H	CONTAINING	25	MEMBERS.
GROUP IDENTITY =	SPC608	ALL	AIRMEN	DAFSC	31652T	CONTAINING	11	MEMBERS.
GROUP IDENTITY =	SPC609	ALL	AIRMEN	DAFSC	31652T	CONTAINING	41	MEMBERS.

PCT HRRS RESPONDING YES BY DAFSC GROUPS

GP600A PAGE 3

AF HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DY-15K

A	1	AI-01	DO YOU PRESENT JOB, DO YOU USE INSTRUMENTS, SUCH AS METERS OR OSCILLOSCOPES, IN WHICH IT IS NECESSARY TO AMPLIFY OR ATTENUATE VOLTAGE, RESISTANCE, ETC., BY POWERS OF 10.	93	80	45	44	40	75	42	91	89	92	100	90
A	2	AI-02	DO YOU USE PUBLICATIONS, SUCH AS A TECHNICAL ORDERS OR MAINTENANCE MANUALS, IN WHICH IT IS NECESSARY FOR YOU TO MULTIPLY OR DIVIDE BY A POWER OF 10 BEFORE YOU CAN APPLY THE INFORMATION FROM THE PUBLICATION IN A USEFUL WAY ON THE JOB.	55	70	21	20	23	19	16	67	74	60	73	66
A	3	AI-03	DO YOU REARRANGE AND SOLVE FORMULAS OR EQUATIONS.	48	90	17	3	15	22	25	67	63	64	55	73
A	4	AI-04	DO YOU CALCULATE THE SQUARE ROOT OF A QUANTITY.	20	40	4	1	1	3	8	18	22	12	18	20
A	5	AI-05	DO YOU SOLVE FOR UNKNOWN QUANTITIES.	41	60	14	2	13	19	22	46	44	40	55	51
A	6	AI-06	DO YOU CONVERT NUMBERS TO LOGARITHMS.	17	10	2	1	0	0	3	4	0	4	18	2
A	7	AI-07	DO YOU USE LOGARITHM TABLES IN ANY TYPE OF CALCULATIONS.	20	10	2	1	0	0	2	6	4	4	16	5
A	8	AI-08	DO YOU SOLVE QUADRATIC EQUATIONS.	14	10	3	1	1	3	6	8	11	4	0	10
A	9	AI-09	DO YOU USE THE NATURAL SYSTEM OF LOGARITHMS.	10	10	1	1	0	0	1	3	0	4	9	2
A	10	AI-10	DO YOU PERFORM CALCULATIONS ON VECTOR QUANTITIES.	21	10	5	1	1	0	13	15	11	0	9	29
A	11	AI-11	DO YOU WORK WITH TRIGONOMETRIC FUNCTIONS SUCH AS SINE, COSINE, OR TANGENT.	32	10	5	1	1	6	14	18	15	4	18	29
A	12	AI-12	DO YOU DETERMINE AREAS OF PLANE FIGURES.	8	20	4	1	2	3	9	1	0	0	0	2
A	13	AI-13	DO YOU SOLVE OR USE SIMULTANEOUS EQUATIONS.	8	20	2	1	1	1	3	4	7	4	0	15
A	14	AI-14	DO YOU SOLVE OR USE PROPORTIONS.	34	40	9	3	4	11	19	24	30	20	18	24
A	15	AI-01	DO YOU USE THE TERM VOLTAGE OR VOLT (V).	98	100	83	91	79	94	80	96	96	96	91	98
A	16	AI-02	DO YOU USE THE TERM ELECTROMOTIVE FORCE (EMF).	61	40	13	10	10	47	12	42	74	24	36	32
A	17	AI-03	DO YOU USE THE TERM OHM.	99	100	79	82	78	94	75	96	96	96	91	98
A	18	AI-04	DO YOU USE THE TERM ION.	28	20	4	8	2	3	3	19	59	0	9	5
A	19	AI-05	DO YOU USE THE TERM DYNE.	17	0	2	1	1	1	8	19	0	0	9	5
A	20	AI-06	DO YOU USE THE TERM AMPERE.	97	100	71	73	70	83	66	96	96	96	91	98
A	21	AI-07	DO YOU USE THE TERM NEUTRON.	23	20	3	3	2	0	3	14	30	8	9	10
A	22	AI-08	DO YOU USE THE TERM COULOMB.	23	20	0	4	3	2	8	3	13	30	8	7
A	23	AI-09	DO YOU USE THE TERM PROTON.	23	20	3	3	2	3	4	12	26	8	9	7
A	24	AI-01	DO YOU WORK WITH RESISTORS IN YOUR PRESENT JOB.	86	100	34	29	34	58	30	87	89	84	82	88
A	25	AI-02	DO YOU INSPECT RESISTORS.	95	100	21	7	22	56	20	92	96	96	100	85
A	26	AI-03	DO YOU CLEAN RESISTORS.	94	90	10	0	7	39	12	60	78	56	64	54
A	27	AI-04	DO YOU ADJUST RESISTORS.	94	100	14	2	15	50	11	90	89	92	100	88
A	28	AI-05	DO YOU CHECK OHMIC VALUE OR RESISTORS.	96	100	31	23	32	61	25	92	96	96	91	88
A	29	AI-06	DO YOU REMOVE OR REPLACE RESISTORS.	95	100	19	4	20	53	20	82	93	96	64	75
A	30	AI-07	DO YOU USE OR REFER TO TEMPERATURE COEFFICIENTS FOR RESISTORS ON ANY TASKS YOU PERFORM.	52	30	7	3	7	25	5	23	22	28	27	20
A	31	AI-08	DO YOU USE OR REFER TO RESISTOR SYMBOLS SUCH AS FIXED RESISTOR SYMBOLS OR TAPPED RESISTOR SYMBOLS.	95	100	21	14	16	56	18	90	96	88	91	85
A	32	AI-09	DO YOU IDENTIFY OR CLASSIFY THE RESISTORS YOU WORK WITH AS CARBON, FIXED WIRE, SLIDE TAP, RHEOSTAT, OR POTENTIOMETER.	95	100	18	8	14	64	15	88	96	84	82	85
A	33	AI-10	DO YOU USE RESISTOR COLOR CODES WHICH INDICATE OHMIC VALUE OF RESISTANCE.	95	100	14	5	10	53	15	85	93	88	73	83

TASK	GROUP	SUMMARY
PERCENT	MEMBERS	PERFORMING

DY-TSM

[illegible]

		DY-15K																SPC	
																		001	026
																		600	600
																		601	602
																		603	604
																		605	606
																		607	608
																		609	609
B 61 B2-01 DO YOU USE OR REFER TO THE TERM EFFECTIVE VOLTAGE (RMS)?		79	90	18	16	15	42	15	82	70	92	100	83						
B 62 B2-02 DO YOU USE OR REFER TO THE TERM PEAK TO PEAK VOLTAGE?		89	100	20	8	20	47	19	92	93	96	100	90						
B 63 B2-03 DO YOU USE OR REFER TO THE TERM AVERAGE VOLTAGE (DC)?		86	100	31	31	31	50	24	77	74	80	91	78						
B 64 B2-04 DO YOU USE OR REFER TO THE TERM WAVE LENGTH?		79	90	12	6	8	33	14	77	81	84	82	73						
B 65 B2-05 DO YOU USE OR REFER TO THE TERM FREQUENCY?		92	100	49	33	60	64	35	94	96	96	100	93						
B 66 B2-06 DO YOU USE OR REFER TO THE TERM INSTANTANEOUS VALUE?		47	30	6	4	9	8	5	34	37	24	36	39						
B 67 B3-01 DO YOU WORK WITH INDUCTORS OR CIRCUITS CONTAINING INDUCTORS, CHOSES, OR CHOKE COILS IN YOUR PRESENT JOB?		83	40	11	7	11	19	10	55	63	44	45	59						
B 68 B3-02 DO YOU INSPECT INDUCTORS?		84	50	6	1	7	17	4	51	70	48	45	44						
B 69 B3-03 DO YOU CLEAN INDUCTORS?		62	40	3	0	3	8	2	35	46	32	27	32						
B 70 B3-04 DO YOU ADJUST INDUCTORS?		79	50	3	0	3	8	2	37	59	28	36	29						
B 71 B3-05 DO YOU REMOVE OR REPLACE INDUCTORS?		88	50	6	0	7	17	1	37	67	20	36	29						
B 72 B3-06 DO YOU USE OR REFER TO THE TERM INDUCTANCE?		77	50	5	1	5	8	4	38	56	32	27	34						
B 73 B3-07 DO YOU USE OR REFER TO HENRIES?		63	50	3	1	2	8	2	24	44	16	18	17						
B 74 B3-08 DO YOU USE OR REFER TO INDUCTIVE REACTANCE?		68	30	4	1	4	8	4	24	52	16	27	10						
B 75 B3-09 DO YOU USE OR REFER TO COPPER LOSS IN INDUCTORS?		21	0	1	0	1	0	1	7	15	8	0	2						
B 76 B3-10 DO YOU USE OR REFER TO HYSTERESIS LOSS IN INDUCTORS?		33	10	1	0	1	0	1	7	19	4	0	2						
B 77 B3-11 DO YOU USE OR REFER TO EDDY CURRENT LOSS IN INDUCTORS?		26	10	1	0	1	0	1	7	19	4	0	2						
B 78 B3-12 DO YOU USE OR REFER TO THE GENERAL RULE THAT INDUCTANCE IS PROPORTIONAL TO THE SQUARE OF THE NUMBER OF TURNS OF THE COIL?		22	0	1	1	1	3	1	9	22	4	0	7						
B 79 B2-13 DO YOU USE OR REFER TO THE GENERAL RULE THAT THE INDUCTANCE OF A COIL IS DIRECTLY PROPORTIONAL TO THE CROSS SECTIONAL AREA OF THE CORE?		17	0	2	1	1	0	0	7	15	4	0	5						
B 80 B2-14 DO YOU USE OR REFER TO THE GENERAL RULE THAT THE INDUCTANCE OF A COIL IS INVERSELY PROPORTIONAL TO ITS LENGTH?		21	0	2	1	1	3	1	9	22	4	0	7						
B 81 B2-15 DO YOU USE OR REFER TO THE GENERAL RULE THAT THE INDUCTANCE OF A COIL IS DIRECTLY PROPORTIONAL TO THE PERMEABILITY OF THE CORE MATERIAL?		23	0	2	1	1	3	1	9	30	0	0	5						
B 82 B2-16 DO YOU CALCULATE INDUCTANCE FOR PARTICULAR INDUCTORS USING FORMULAS?		23	10	1	1	1	3	1	8	19	0	0	10						
B 83 B3-17 DO YOU CALCULATE THE TOTAL INDUCTANCE FOR INDUCTANCE IN SERIES?		28	0	2	1	1	3	2	9	26	0	0	7						
B 84 B3-18 DO YOU CALCULATE THE TOTAL INDUCTANCE FOR INDUCTORS IN PARALLEL?		28	0	2	1	1	3	2	8	26	0	0	5						
B 85 B3-19 DO YOU CALCULATE THE TOTAL INDUCTANCE FOR INDUCTORS IN SERIES-PARALLEL CIRCUITS?		27	0	2	1	1	3	2	9	30	0	0	5						
B 86 B3-20 DO YOU USE OR REFER TO THE GENERAL RULE THAT CURRENT LAGS VOLTAGE IN AC INDUCTOR CIRCUITS?		44	0	3	1	3	8	2	22	41	12	9	20						
B 87 B3-21 DO YOU CALCULATE INDUCTIVE REACTANCE?		31	0	3	1	3	3	2	11	33	0	0	7						
B 88 B3-22 DO YOU USE OR REFER TO THE GENERAL RULE THAT INDUCTIVE REACTANCE IS DIRECTLY PROPORTIONAL TO FREQUENCY?		41	10	3	1	2	6	2	16	41	4	18	7						
B 89 B3-23 DO YOU WORK WITH POWER INDUCTORS?		55	30	5	3	6	11	2	32	56	20	35	24						
B 90 B3-24 DO YOU WORK WITH AUDIO FREQUENCY INDUCTORS?		55	50	3	1	2	6	2	25	30	24	36	20						
B 91 B3-25 DO YOU WORK WITH RADIO FREQUENCY INDUCTORS?		63	50	4	2	3	3	3	21	15	24	36	20						

TASK	GROUP SUMMARY
PERCENT MEMBERS PERFORMING	

[illegible]

PCT.MBRS RESPONDING 'YES' BY DAFSC GROUPS

GP600A PAGE 8

AF HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

		DY-15K																	
		SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC		
		001	026	600	601	602	603	604	605	606	607	608	609						
C 152 C2-25 DO YOU REFER TO MULTIPLE SECONDARY-WINDINGS SCHEMATIC SYMBOLS FOR TRANSFORMERS		86	80	10	12	11	11	4	64	93	56	82	46						
C 153 C2-26 DO YOU REFER TO MULTIPLE TAP SCHEMATIC SYMBOLS FOR TRANSFORMERS		89	80	10	9	10	14	5	62	89	52	82	46						
C 154 C2-27 DO YOU REFER TO CENTER TAP SCHEMATIC SYMBOLS FOR TRANSFORMERS		95	80	11	10	12	17	4	65	85	56	82	54						
C 155 C2-28 DO YOU REFER TO AIR CORE SCHEMATIC SYMBOLS FOR TRANSFORMERS		71	40	6	5	6	3	2	38	52	28	45	34						
C 156 C2-29 DO YOU REFER TO IRON CORE SCHEMATIC SYMBOLS FOR TRANSFORMERS		74	60	7	7	6	6	3	44	56	32	55	41						
C 157 C2-30 DO YOU REFER TO COMBINATIONS OF THE ABOVE SCHEMATIC SYMBOLS FOR TRANSFORMERS		79	60	9	8	8	17	4	51	70	52	45	41						
C 158 C2-31 DO YOU DETERMINE PHASE RELATIONSHIPS BETWEEN SECONDARY AND PRIMARY VOLTAGES OF TRANSFORMERS USING SCHEMATIC SYMBOLS		56	50	4	4	4	11	2	30	56	20	27	22						
C 159 C2-32 DO YOU DETERMINE OR REFER TO THE TYPE OF CORE IN TRANSFORMERS YOU WORK WITH		41	20	3	2	2	6	1	18	37	4	9	17						
C 160 C2-33 DO YOU REFER TO OR USE THE GENERAL RULE THAT THE TURNS RATIO OF A TRANSFORMER IS EQUAL TO THE VOLTAGE RATIO		39	0	3	3	1	8	0	23	56	12	9	12						
C 161 C2-34 DO YOU USE OR REFER TO STEP-UP OR STEP-DOWN RATIOS FOR TRANSFORMERS		63	40	6	5	7	6	1	32	59	24	18	24						
C 162 C2-35 DO YOU CALCULATE VOLTAGE RATIOS FOR TRANSFORMERS USING TURNS RATIOS		27	0	2	1	1	6	0	14	37	4	9	7						
C 163 C2-36 DO YOU CALCULATE CURRENT RATIOS FOR TRANSFORMERS USING TURNS RATIOS		22	0	2	1	1	3	1	11	30	4	9	5						
C 164 C2-37 DOES YOUR JOB INVOLVE ANY TASKS DEALING WITH THREE PHASE TRANSFORMERS		21	50	8	12	11	11	0	53	74	56	45	39						
C 165 C2-38 DO YOU INSPECT THREE PHASE TRANSFORMERS		16	50	7	7	10	17	0	48	63	52	55	37						
C 166 C2-39 DO YOU CLEAN OR LUBRICATE THREE PHASE TRANSFORMERS		12	30	2	0	2	8	0	23	48	24	18	7						
C 167 C2-40 DO YOU ADJUST THREE PHASE TRANSFORMERS		12	20	2	1	2	3	0	20	33	16	27	12						
C 168 C2-41 DO YOU TROUBLESHOOT THREE PHASE TRANSFORMERS		15	50	7	8	11	8	1	37	56	32	36	29						
C 169 C2-42 DO YOU REMOVE OR REPLACE COMPLETE THREE PHASE TRANSFORMERS		16	50	6	1	11	14	2	42	52	56	55	27						
C 170 C2-43 DO YOU REMOVE OR REPLACE THREE PHASE TRANSFORMER PARTS SUCH AS WINDINGS		4	0	1	0	2	8	0	6	15	4	0	2						
C 171 C3-01 DO YOU USE OR REFER TO PERMANENT MAGNETS		82	60	20	3	37	14	6	15	37	12	0	7						
C 172 C3-02 DO YOU USE OR REFER TO TEMPORARY MAGNETS		44	10	8	3	12	6	3	17	22	20	0	17						
C 173 C3-03 DO YOU USE OR REFER TO RETENTIVITY OF MAGNETIC MATERIALS		20	0	2	1	1	6	1	5	15	4	0	0						
C 174 C3-04 DO YOU USE OR REFER TO RELUCTANCE OF MAGNETIC MATERIALS		19	0	1	1	0	6	0	5	7	8	0	2						
C 175 C3-05 DO YOU USE OR REFER TO PERMEABILITY OF MAGNETIC MATERIALS		23	0	2	2	1	3	0	7	19	8	0	0						
C 176 C3-06 DO YOU USE OR REFER TO RESIDUAL MAGNETISM		23	0	2	1	2	0	1	8	19	8	0	5						
C 177 C3-07 DO YOU USE OR REFER TO MAGNETIC LINES OF FORCE OR FLUX		54	10	4	1	4	3	2	14	41	8	9	2						
C 178 C3-08 DO YOU USE OR REFER TO WEBER'S THEORY OF MAGNETISM		11	0	1	1	1	0	0	3	11	0	0	0						

C 179	C3-09 DO YOU USE OR REFER TO DOMAIN THEORY OF MAGNETISM	11	0	1	1	1	3	0	4	11	0	0	2
C 180	C3-10 DO YOU USE OR REFER TO MAGNETIC INDUCTION	39	10	4	2	4	3	1	9	26	8	0	2
C 181	C3-11 DO YOU USE OR REFER TO FLUX DENSITY	30	0	2	1	0	3	1	8	22	4	9	0
C 182	C3-12 DO YOU USE OR REFER TO THE GENERAL RULE THAT FOR MAGNETIC POLES-LIKE POLES REPEL AND UNLIKE POLES ATTRACT	64	40	13	6	13	25	15	27	44	40	18	10
C 183	C3-13 DO YOU USE THE LEFT HAND THUMB RULE TO FIND THE DIRECTION OF MAGNETIC FIELDS ABOUT STRAIGHT WIRES	32	20	5	4	4	11	5	12	22	4	9	10
C 184	C3-14 DO YOU USE THE LEFT HAND THUMB RULE TO FIND THE NORTH POLE OF A CURRENT CARRYING COIL	32	10	4	4	2	6	4	11	22	4	9	7
O 185	D1-01 DO YOU WORK WITH RC, LR, RCL CIRCUITS IN YOUR PRESENT JOB	73	70	5	5	4	6	3	45	52	56	36	37
O 186	D1-02 DO YOU USE OR REFER TO VECTORS WHEN WORKING WITH RCL CIRCUITS	19	10	1	0	1	6	0	10	19	4	9	10
O 187	D1-03 DO YOU USE OR REFER TO PYTHAGOREAN THEOREM WHEN WORKING WITH RCL CIRCUITS	15	0	1	0	0	3	0	8	7	8	9	7
O 188	D1-04 DO YOU USE OR REFER TO SINE WHEN WORKING WITH RCL CIRCUITS	22	0	1	0	1	0	1	9	19	8	9	5
O 189	D1-05 DO YOU USE OR REFER TO COSINE WHEN WORKING WITH RCL CIRCUITS	23	0	1	0	1	0	1	9	19	8	9	5
O 190	D1-06 DO YOU USE OR REFER TO TANGENT WHEN WORKING WITH RCL CIRCUITS	19	0	1	0	1	0	1	8	19	8	0	5
O 191	D1-07 DO YOU USE OR REFER TO WATTS WHEN WORKING WITH RCL CIRCUITS	55	30	3	1	3	3	1	27	35	52	0	17
O 192	D1-08 DO YOU USE OR REFER TO TRUE POWER (PT) WHEN WORKING WITH RCL CIRCUITS	41	30	1	1	1	3	0	16	22	16	9	15
O 193	D1-09 DO YOU USE OR REFER TO MAXIMUM POWER (PM) WHEN WORKING WITH RCL CIRCUITS	41	40	1	1	1	3	0	16	15	28	9	12
O 194	D1-10 DO YOU USE OR REFER TO AVERAGE POWER (PAVE) WHEN WORKING WITH RCL CIRCUITS	51	40	1	1	1	6	0	12	11	16	9	12
O 195	D1-11 DO YOU USE OR REFER TO APPARENT POWER (PA) WHEN WORKING WITH RCL CIRCUITS	34	10	1	1	1	6	0	11	7	20	0	12
O 196	D1-12 DO YOU USE OR REFER TO POWER FACTOR (PF) WHEN WORKING WITH RCL CIRCUITS	37	10	1	1	1	6	0	12	11	20	0	12
O 197	D1-13 DO YOU USE OR REFER TO RESONANT CIRCUITS WHEN WORKING WITH RCL CIRCUITS	59	30	2	1	1	6	1	26	41	28	9	22
O 198	D1-14 DO YOU USE OR REFER TO BANDWIDTH WHEN WORKING WITH RCL CIRCUITS	69	30	2	1	3	3	0	27	26	48	18	20
O 199	D1-15 DO YOU USE OR REFER TO SELECTIVITY WHEN WORKING WITH RCL CIRCUITS	53	30	2	1	1	0	0	21	26	32	9	15
O 200	D1-16 DO YOU USE OR REFER TO RESONANT FREQUENCY WHEN WORKING WITH RCL CIRCUITS	66	30	2	1	1	6	0	28	37	40	18	20
O 201	D1-17 DO YOU USE OR REFER TO HALF POWER POINTS WHEN WORKING WITH RCL CIRCUITS	59	20	1	0	0	0	0	12	15	0	18	17
O 202	D1-18 DO YOU USE OR REFER TO BANDPASS REGION WHEN WORKING WITH RCL CIRCUITS	57	30	1	1	1	3	0	19	19	32	18	12
O 203	D1-19 DO YOU USE OR REFER TO CIRCUIT Q WHEN WORKING WITH RCL CIRCUITS	41	20	1	1	1	3	0	8	11	8	0	7

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

0Y-ISK

[illegible]

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

0Y-TSM

[illegible]

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DX-ISK

6 410 62-07 DO YOU USE OR REFER TO EMITTER - COLLECTOR (EC)	SPC 901	SPC 026	SPC 600	SPC 601	SPC 602	SPC 603	SPC 604	SPC 605	SPC 606	SPC 607	SPC 608	SPC 609
RESISTANCE MEASUREMENTS	86	90	4	3	1	19	4	50	81	40	27	41
6 411 62-08 DO YOU USE OR REFER TO HOW BIASING AFFECTS THE PHYSICAL BARRIER WIDTH OF THE EMITTER - BASE JUNCTION	30	0	1	1	0	6	1	24	49	12	18	20
6 412 62-09 DO YOU USE OR REFER TO HOW BIASING AFFECTS THE PHYSICAL BARRIER WIDTH OF THE COLLECTOR - BASE JUNCTION	29	0	1	1	0	6	1	24	48	12	18	20
6 413 62-10 DO YOU USE OR REFER TO THE PHYSICAL SIZE OF THE TRANSISTOR STRUCTURE (COLLECTOR, BASE AND EMITTER)	49	50	2	1	1	6	2	38	59	24	27	37
6 414 62-11 DO YOU USE OR REFER TO LEAKAGE CURRENT (ICBO) IN A TRANSISTOR	24	40	1	1	1	0	0	17	26	16	0	17
6 415 62-12 DO YOU USE OR REFER TO TRANSISTOR SCHEMATIC SYMBOLS	86	100	8	8	3	25	11	75	96	56	73	76
6 416 62-13 DO YOU USE OR REFER TO TRANSISTOR NOTATION SUCH AS Q1, Q2, Q3, ETC	87	100	6	3	2	19	10	75	93	60	73	73
6 417 62-14 DO YOU USE OR REFER TO TRANSISTOR SUBSTITUTION INFORMATION	61	80	2	0	1	3	2	38	81	12	36	27
6 418 62-15 DO YOU USE OR REFER TO THE GENERAL RULE THAT THE TRANSISTOR BASE CURRENT IS USUALLY SIGNIFICANTLY SMALLER THAN THE EMITTER CURRENT IE (USUALLY IS BEING 2 TO 8 PERCENT OF IE)	40	20	1	1	0	3	0	23	44	12	9	20
6 419 62-16 DO YOU USE THE INFORMATION THAT THE EFFECT OF EMITTER BASE VOLTAGE ON BASE CURRENT IS THE CONTROLLING FACTOR FOR TRANSISTORS	53	30	2	1	0	3	2	32	59	12	18	29
6 420 62-17 DO YOU USE THE GENERAL RULE THAT LEAKAGE CURRENT (ICBO) IN A TRANSISTOR INCREASES AS TEMPERATURE INCREASES	29	20	1	1	0	6	1	10	22	4	0	10
6 421 62-18 DO YOU USE OR REFER TO TRANSISTOR CHARACTERISTIC CURVES	22	30	1	0	0	0	0	14	37	4	0	10
6 422 62-19 DO YOU USE OR REFER TO BETA TRANSISTOR GAINS	14	20	1	0	1	0	0	10	19	4	0	12
6 423 62-20 DO YOU USE OR REFER TO ALPHA TRANSISTOR GAINS	19	20	1	0	1	0	0	10	19	4	0	12
6 424 62-21 DO YOU USE OR REFER TO GAMMA TRANSISTOR GAINS	13	10	1	0	1	0	0	9	19	4	0	10
6 425 62-22 DO YOU CALCULATE BETA TRANSISTOR GAINS	10	0	1	0	0	0	0	5	11	0	0	5
6 426 62-23 DO YOU CALCULATE ALPHA TRANSISTOR GAINS	10	0	1	0	0	0	0	5	11	0	0	5
6 427 62-24 DO YOU CALCULATE GAMMA TRANSISTOR GAINS	9	0	1	0	0	0	0	4	11	0	0	2
6 428 63-01 DO YOU WORK WITH TRANSISTOR AMPLIFIERS IN YOUR PRESENT JOB	72	80	4	2	4	8	2	50	67	40	55	44
6 429 63-02 DO YOU INSPECT TRANSISTOR AMPLIFIERS	67	90	3	0	3	14	2	45	63	40	45	39
6 430 63-03 DO YOU ALIGN OR ADJUST TRANSISTOR AMPLIFIERS	64	100	2	0	1	11	0	41	56	32	45	37
6 431 63-04 DO YOU TROUBLESHOOT TO THE AMPLIFIER CIRCUIT LEVEL	69	100	3	1	3	6	2	41	59	32	45	34
6 432 63-05 DO YOU TROUBLESHOOT TO AMPLIFIER COMPONENTS	70	100	2	1	1	11	1	29	59	12	9	27
6 433 63-06 DO YOU REMOVE OR REPLACE THE COMPLETE AMPLIFIER	62	80	4	0	4	11	2	44	63	40	45	37
6 434 63-07 DO YOU REMOVE OR REPLACE AMPLIFIER COMPONENTS	71	100	2	0	1	11	0	24	59	8	0	17
6 435 63-08 DO YOU USE OR REFER TO (COMMON EMITTER) THE CHANGE IN COLLECTOR CURRENT WHICH RESULTS FROM A CHANGE IN BASE CURRENT	43	40	1	0	0	3	0	17	41	4	9	10
6 436 63-09 DO YOU USE OR REFER TO (COMMON EMITTER) THE CALCULATIONS NECESSARY TO MEASURE THE SPECIFIC CHANGE IN COLLECTOR CURRENT WHICH RESULTS FROM A SPECIFIC CHANGE IN BASE CURRENT	15	20	1	0	0	3	0	8	26	0	0	5

PCT M9RS RESPONDING 'YES' BY DAFSC GROUPS

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AF HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DT-TSM

6 437 63-10 DO YOU USE OR REFER TO (COMMON EMITTER) THE CHANGE IN COLLECTOR VOLTAGE WHICH RESULTS FROM A CHANGE IN BASE CURRENT	41	40	1	0	0	3	0	16	41	8	0	7	SPC SPC SPC SPC SPC SPC SPC SPC SPC SPC
6 438 63-11 DO YOU USE OR REFER TO (COMMON EMITTER) THE CALCULATIONS NECESSARY TO MEASURE THE SPECIFIC CHANGE IN COLLECTOR VOLTAGE WHICH RESULTS FROM A SPECIFIC CHANGE IN BASE CURRENT	18	30	1	0	0	0	0	8	22	4	0	2	001 026 600 601 602 603 604 605 606 607 608 609
6 439 63-12 DO YOU USE OR REFER TO (COMMON EMITTER) THE CHANGE IN BASE CURRENT WHICH RESULTS FROM AN INPUT SIGNAL	42	20	1	0	0	3	0	15	35	8	0	10	
6 440 63-13 DO YOU USE OR REFER TO (COMMON EMITTER) THE CALCULATIONS NECESSARY TO MEASURE THE SPECIFIC CHANGE IN BASE CURRENT WHICH RESULTS FROM A SPECIFIC INPUT SIGNAL	19	0	1	0	0	0	0	9	26	4	0	5	
6 441 63-14 DO YOU USE THE LOAD-LINE METHOD OF ANALYSIS IN YOUR CIRCUIT ANALYSIS (THIS METHOD REQUIRES YOU TO PLOT A LOAD-LINE ON A TRANSISTOR CHARACTERISTIC CURVE)	6	0	1	0	1	0	0	4	11	4	0	0	
6 442 63-15 DO YOU USE OR REFER TO THE OPERATING POINT Q (QUIESCENT POINT) FOR A TRANSISTOR	25	30	1	0	1	0	0	8	22	4	9	2	
6 443 63-16 DO YOU CALCULATE THE SPECIFIC QUIESCENT POINT FOR A PARTICULAR TRANSISTOR	9	0	1	0	1	0	0	5	15	4	0	0	
6 444 63-17 DO YOU MEASURE VOLTAGE GAIN USED IN THE COMMON EMITTER CONFIGURATION	54	70	2	1	1	8	0	27	41	28	36	17	
6 445 63-18 DO YOU MEASURE CURRENT GAIN USED IN THE COMMON EMITTER CONFIGURATION	41	40	1	1	1	8	0	19	30	20	36	7	
6 446 63-19 DO YOU MEASURE POWER GAIN USED IN THE COMMON EMITTER CONFIGURATION	34	30	1	0	1	8	0	16	22	24	36	7	
6 447 63-20 DO YOU CALCULATE THE VOLTAGE GAIN FOR SPECIFIC TRANSISTORS USING A FORMULA THAT IS, DO YOU DIVIDE THE CHANGE IN BASE-EMITTER VOLTAGE INTO THE CHANGE THE BASE COLLECTOR VOLTAGE TO DETERMINE THE VOLTAGE GAIN	16	0	1	0	0	0	0	5	11	4	0	2	
6 448 63-21 DO YOU CALCULATE THE CURRENT GAIN FOR SPECIFIC TRANSISTORS USING A FORMULA THAT IS, DO YOU DIVIDE THE CHANGE IN BASE CURRENT INTO THE CHANGE IN COLLECTOR CURRENT TO DETERMINE THE CURRENT GAIN	13	0	1	0	0	0	0	6	11	4	0	5	
6 449 63-22 DO YOU CALCULATE THE POWER GAIN FOR A SPECIFIC TRANSISTOR USING A FORMULA THAT IS, DO YOU MULTIPLY THE CURRENT GAIN TIMES THE VOLTAGE GAIN TO DETERMINE THE POWER GAIN	12	0	1	0	0	0	0	4	11	0	0	2	
6 450 63-23 DO YOU NEED TO KNOW THAT MORE COLLECTOR CURRENT IS GENERATED WITH LESS COLLECTOR VOLTAGE AS TEMPERATURE INCREASES (THIS AFFECTS THE STATIC OPERATING POINT EQJ OF THE TRANSISTOR)	16	0	1	0	0	0	0	5	19	0	0	0	
6 451 63-24 DO YOU COMPUTE THE STATIC OPERATING POINT EQJ OF A TRANSISTOR AT DIFFERENT TEMPERATURES	7	0	0	0	0	0	0	5	19	0	0	0	
6 452 63-25 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED WITH EMITTER (SWAPPING) RESISTOR STABILIZATION	41	30	1	1	0	6	0	17	22	16	18	15	
6 453 63-26 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED WITH SELF-BIAS STABILIZATION	39	30	1	1	0	3	0	15	22	16	18	10	

PCT MBRS RESPONDING 'YES' BY DAFSC GROUPS

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AF HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

		DY-15K															
		SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
		001	026	600	601	602	603	604	605	606	607	608	609	610	611	612	613
I 548	11-10 DO YOU WORK WITH MULTIVIBRATORS WHICH CONTAIN RC NETWORKS	59	50	1	1	0	0	0	0	18	7	16	45	20			
I 549	11-11 DO YOU WORK WITH MULTIVIBRATORS WHICH CONTAIN CRYSTALS	49	40	1	1	0	0	0	14	7	16	36	12				
I 550	11-12 DO YOU WORK WITH MULTIVIBRATORS WHICH CONTAIN DON'T REMEMBER WHICH TYPE OF FDD	15	20	1	0	1	0	0	8	0	8	0	15				
I 551	11-13 DO YOU WORK WITH ASTABLE MULTIVIBRATORS	66	30	1	1	0	0	0	21	7	20	45	24				
I 552	11-14 DO YOU WORK WITH MONOSTABLE MULTIVIBRATORS	68	30	1	1	0	0	0	21	7	20	45	24				
I 553	11-15 DO YOU WORK WITH BISTABLE MULTIVIBRATORS	68	40	1	1	0	0	0	21	7	20	45	24				
I 554	11-16 DO YOU WORK WITH DON'T REMEMBER WHICH TYPE MULTIVIBRATORS	9	10	1	0	1	0	0	7	4	4	9	10				
I 555	12-01 DO YOU WORK WITH LIMITERS OR CLAMPERS IN YOUR PRESENT JOB	66	60	2	0	2	3	2	24	19	24	45	22				
I 556	12-02 DO YOU WORK WITH SERIES DIODE LIMITERS	56	20	1	0	0	3	1	14	15	12	27	12				
I 557	12-03 DO YOU WORK WITH SHUNT DIODE LIMITERS	54	20	1	0	0	3	1	13	15	12	27	10				
I 558	12-04 DO YOU WORK WITH LIMITERS WITH BIAS	50	10	1	0	0	3	1	12	15	12	18	10				
I 559	12-05 DO YOU WORK WITH ZENER DIODE LIMITERS	59	40	1	0	1	3	1	16	15	12	27	17				
I 560	12-06 DO YOU WORK WITH TRANSISTOR LIMITERS	49	20	1	0	0	3	1	14	15	12	18	15				
I 561	12-07 DO YOU WORK WITH DON'T KNOW WHICH TYPE OF LIMITERS	10	10	2	0	2	0	3	9	11	8	18	7				
I 562	12-08 DO YOU WORK WITH BASIC DIODE CLAMPING CIRCUITS	56	10	1	0	0	0	1	10	7	8	18	12				
I 563	12-09 DO YOU WORK WITH DIODE CLAMPING CIRCUITS WITH BIAS	52	10	1	0	0	0	1	8	7	8	18	7				
I 564	12-10 DO YOU WORK WITH DON'T KNOW WHICH TYPE OF CLAMPING CIRCUIT	12	10	1	0	1	3	2	8	7	12	9	5				
I 565	13-01 IN YOUR PRESENT JOB, DO YOU WORK ON EQUIPMENT WHICH CONTAINS ELECTRON TUBES	89	40	2	2	0	19	0	23	78	4	9	0				
I 566	13-02 DO YOU CHECK ELECTRON TUBES TO SEE IF THEY ARE GOOD	86	30	1	0	0	14	0	18	70	0	0	0				
I 567	13-03 DO YOU USE TUBE TESTERS TO CHECK ELECTRON TUBES	79	10	1	0	0	3	0	17	67	0	0	0				
I 568	13-04 DO YOU USE MULTIMETERS TO CHECK ELECTRON TUBES	81	10	1	1	0	14	0	13	44	0	9	2				
I 569	13-05 DO YOU USE SCOPES TO CHECK ELECTRON TUBES	68	10	1	0	0	14	0	14	52	0	9	0				
I 570	13-06 DO YOU USE SUBSTITUTION TO CHECK ELECTRON TUBES	81	40	1	0	0	11	0	19	74	0	0	0				
I 571	13-07 DO YOU USE OR REFER TO CUTOFF	68	10	0	0	0	0	0	9	33	0	0	0				
I 572	13-08 DO YOU USE OR REFER TO PEAK INVERSE VOLTAGE RATING	25	10	0	0	0	3	0	7	26	0	0	0				
I 573	13-09 DO YOU USE OR REFER TO PEAK CURRENT RATING	30	10	0	0	0	0	0	7	26	0	0	0				
I 574	13-10 DO YOU USE OR REFER TO TRANSIST TIME	26	0	0	0	0	0	0	4	15	0	0	0				
I 575	13-11 DO YOU USE OR REFER TO PLATE DISSIPATION RATING	21	0	0	0	0	3	0	7	26	0	0	0				
I 576	13-12 DO YOU USE OR REFER TO SATURATION	72	10	0	0	0	3	0	7	22	0	0	0				
I 577	13-13 DO YOU USE OR REFER TO DC PLATE RESISTANCE	44	0	0	0	0	0	0	7	22	0	0	0				
I 578	13-14 DO YOU COMPUTE ACTUAL VALUES OF THE DC PLATE RESISTANCE FOR ELECTRON TUBES	12	0	0	0	0	0	0	6	19	0	9	0				
I 579	13-15 DO YOU USE OR REFER TO PLATE VOLTAGE	86	10	1	1	0	17	0	19	67	0	9	0				
I 580	13-16 DO YOU USE OR REFER TO PLATE CURRENT	64	10	1	0	0	11	0	13	48	0	0	0				
I 581	13-17 DO YOU USE OR REFER TO GRID VOLTAGE	66	10	1	0	0	19	0	18	63	0	9	0				
I 582	13-18 DO YOU USE OR REFER TO GRID CURRENT	64	10	1	0	0	14	0	12	43	0	0	0				
I 583	13-19 DO YOU USE OR REFER TO CATHODE VOLTAGE	66	10	1	0	0	19	0	19	67	0	9	0				
I 584	13-20 DO YOU USE OR REFER TO CATHODE CURRENT	65	10	1	1	0	14	0	12	44	0	0	0				
I 585	13-21 DO YOU USE OR REFER TO THE TRIODE AMPLIFICATION FACTOR (THE AMPLIFICATION FACTOR FOR TRIODES IS DEFINED AS THE RATIO OF CHANGE IN PLATE VOLTAGE TO A CHANGE IN GRID VOLTAGE)	28	0	0	0	0	0	0	3	11	0	0	0				

TASK	GROUP SUMMARY	PERCENT MEMBERS PERFORMING
1. Identify the problem	100%	100%
2. Generate ideas	100%	100%
3. Evaluate ideas	100%	100%
4. Implement the solution	100%	100%
5. Monitor the solution	100%	100%
6. Evaluate the results	100%	100%
7. Report the results	100%	100%
8. Reflect on the process	100%	100%
9. Share the results	100%	100%
10. Celebrate the success	100%	100%

[illegible]

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DY-TSK

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	001	026	600	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616
J 611 J1-03 DO YOU TROUBLESHOOT OR REPAIR PARAPHASE AMPLIFIERS	56	0	0	0	0	0	0	0	0	3	11	0	0	0	0	0	0	0	0	0
J 612 J1-04 DO YOU TROUBLESHOOT OR REPAIR PUSH-PULL AMPLIFIERS	67	0	0	0	0	0	6	0	0	8	30	0	0	0	0	0	0	0	0	0
J 613 J1-05 DO YOU TROUBLESHOOT OR REPAIR COMPOUND-CONNECTED AMPLIFIERS	40	0	0	0	0	0	3	0	5	19	0	0	0	0	0	0	0	0	0	0
J 614 J1-06 DO YOU TROUBLESHOOT OR REPAIR CASCADE-CONNECTED AMPLIFIERS	53	0	0	0	0	0	0	0	7	26	0	0	0	0	0	0	0	0	0	0
J 615 J1-07 DO YOU TROUBLESHOOT OR REPAIR DON'T KNOW WHICH TYPE OF AMPLIFIER	25	0	0	0	0	0	3	0	8	26	4	0	0	0	0	0	0	0	0	0
J 616 J2-01 DO YOU WORK WITH GAS TUBES (HOT CATHODE OR COLD CATHODE)	76	0	1	0	0	0	6	0	9	33	0	0	0	0	0	0	0	0	0	0
J 617 J2-02 DO YOU WORK WITH CATHODE-RAY TUBES	87	10	2	0	2	8	0	16	41	4	18	7	0	0	0	0	0	0	0	0
J 618 J2-03 DO YOU USE OR REFER TO THE CHARACTERISTICS OF BEAM POWER TUBES	18	0	0	0	0	0	0	0	2	7	0	0	0	0	0	0	0	0	0	0
J 619 J2-04 DO YOU TROUBLESHOOT OR REPAIR CIRCUITS IN WHICH BEAM POWER TUBES ARE USED	29	10	0	0	0	0	0	0	2	7	0	0	0	0	0	0	0	0	0	0
J 620 J2-05 DO YOU USE OR REFER TO THE CHARACTERISTICS OF THYRATRONS	56	0	0	0	0	0	0	0	3	11	0	0	0	0	0	0	0	0	0	0
J 621 J2-06 DO YOU TROUBLESHOOT OR REPAIR CIRCUITS IN WHICH THYRATRONS ARE USED	79	0	0	0	0	0	0	0	3	11	0	0	0	0	0	0	0	0	0	0
J 622 J2-07 DO YOU USE OR REFER TO THE PRINCIPLES OF OPERATION OF ELECTRON GUNS OF CATHODE-RAY TUBES (CRT)	48	20	0	0	0	0	3	0	5	19	0	0	0	0	0	0	0	0	0	0
J 623 J2-08 DO YOU USE OR REFER TO THE PRINCIPLES OF OPERATION OF ELECTROMAGNETIC DEFLECTION SYSTEMS OF CATHODE-RAY TUBES (CRT)	63	20	0	0	0	0	3	0	6	22	0	0	0	0	0	0	0	0	0	0
J 624 J2-09 DO YOU USE OR REFER TO THE PRINCIPLES OF OPERATION OF ELECTROSTATIC DEFLECTION SYSTEMS OF CATHODE-RAY TUBES (CRT)	55	20	0	0	0	0	3	0	3	11	0	0	0	0	0	0	0	0	0	0
J 625 J2-10 DO YOU USE OR REFER TO PHOSPHOR SCREENS	70	20	1	0	0	0	3	1	8	15	4	0	7	0	0	0	0	0	0	0
J 626 J2-11 DO YOU USE OR REFER TO AQUADAG COATINGS	59	0	0	0	0	0	3	0	2	7	0	0	0	0	0	0	0	0	0	0
J 627 J2-12 DO YOU USE OR REFER TO ELECTRON OPTICS	19	0	0	0	0	0	3	0	3	11	0	0	0	0	0	0	0	0	0	0
J 628 J2-13 DO YOU USE OR REFER TO PERSISTENCE	31	10	1	0	0	0	6	0	4	11	0	0	2	0	0	0	0	0	0	0
J 629 J2-14 DO YOU USE OR REFER TO DECAY TIMES	30	10	0	0	0	0	6	0	5	15	0	0	2	0	0	0	0	0	0	0
J 630 J2-15 DO YOU USE OR REFER TO FLUORESCENCE	43	0	1	0	0	0	6	0	5	15	0	0	2	0	0	0	0	0	0	0
J 631 J2-16 DO YOU USE OR REFER TO PHOSPHORESCENCE	54	20	0	0	0	0	3	0	4	11	0	0	2	0	0	0	0	0	0	0
J 632 J3-01 DO YOU WORK ON TRANSMIT OR RECEIVE SYSTEMS IN YOUR PRESENT JOB	59	30	8	6	11	0	3	19	0	44	45	10	0	0	0	0	0	0	0	0
J 633 J3-02 DO YOU PERFORM TASKS ON FREQUENCY CONVERTERS	46	10	2	1	3	0	0	17	0	40	45	7	0	0	0	0	0	0	0	0
J 634 J3-03 DO YOU PERFORM TASKS ON FREQUENCY MIXERS	56	10	2	1	3	0	1	16	0	36	45	7	0	0	0	0	0	0	0	0
J 635 J3-04 DO YOU USE OR REFER TO THE HETERODYNING OF SIGNALS IN YOUR WORK WITH TRANSMIT OR RECEIVE SYSTEMS	42	20	1	1	1	0	0	7	0	4	45	2	0	0	0	0	0	0	0	0
J 636 J3-05 DO YOU PERFORM TASKS ON REACTANCE MODULATORS	27	10	1	1	1	0	0	7	0	24	9	0	0	0	0	0	0	0	0	0
J 637 J3-06 DO YOU PERFORM TASKS ON MODULATED OSCILLATORS	40	20	1	1	2	0	0	10	0	24	36	2	0	0	0	0	0	0	0	0
J 638 M1-01 DO YOU WORK ON AM TRANSMIT OR RECEIVE SYSTEMS IN YOUR PRESENT JOB	21	10	2	4	2	0	0	3	0	3	0	16	2	0	0	0	0	0	0	0
K 639 M1-02 DO YOU INSPECT AM TRANSMIT OR RECEIVE SYSTEMS	21	10	2	3	2	0	0	4	0	0	27	2	0	0	0	0	0	0	0	0
K 640 M1-03 DO YOU CLEAN AM TRANSMIT OR RECEIVE SYSTEMS	21	10	1	1	1	0	0	3	0	3	0	18	2	0	0	0	0	0	0	0
K 641 M1-04 DO YOU ALIGN OR ADJUST AM TRANSMIT OR RECEIVE SYSTEMS	21	10	1	1	1	0	0	3	0	3	0	18	2	0	0	0	0	0	0	0

PC1 MPRS RESPONDING 'YES' BY DAFSC GROUPS
TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

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AF HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND

DY-15K

K 676 K2-11 DO YOU PERFORM TASKS ON DRIVERS (INTERMEDIATE AMPLIFIERS)	29	20	1	0	1	0	0	0	11	0	28	45	0
K 677 K2-12 DO YOU PERFORM TASKS ON POWER AMPLIFIERS	29	20	1	1	1	0	0	0	12	0	36	36	0
K 678 K2-13 DO YOU PERFORM TASKS ON RF AMPLIFIERS	28	20	1	1	1	0	0	0	14	0	40	45	0
K 679 K2-14 DO YOU PERFORM TASKS ON FREQUENCY CONVERTERS	28	20	1	0	1	0	0	0	15	0	48	36	0
K 680 K2-15 DO YOU PERFORM TASKS ON IF AMPLIFIERS	29	20	1	0	1	0	0	0	13	0	36	45	0
K 681 K2-16 DO YOU PERFORM TASKS ON LIMITERS	29	20	1	0	1	0	0	0	13	0	40	36	0
K 682 K2-17 DO YOU PERFORM TASKS ON FREQUENCY DISCRIMINATORS	28	20	1	0	1	0	0	0	13	0	36	45	0
K 683 K2-18 DO YOU TRACE SIGNALS OR CURRENT PATHS THROUGH SCHEMATIC DIAGRAMS OF FM TRANSMITTERS	25	20	1	0	1	0	0	0	12	0	36	36	0
K 684 K2-19 DO YOU TRACE SIGNALS OR CURRENT PATHS THROUGH SCHEMATIC DIAGRAMS OF FM RECEIVERS	29	20	1	0	1	0	0	0	14	0	44	36	0
K 685 K3-01 DO YOU CONVERT DECIMAL (BASE 10) NUMBERS TO OCTAL (BASE 8) NUMBERS	10	40	21	22	10	0	43	26	4	36	82	22	
K 686 K3-02 DO YOU CONVERT DECIMAL NUMBERS TO BINARY (BASE 2) NUMBERS	44	50	18	16	7	6	38	35	4	40	73	44	
K 687 K3-03 DO YOU CONVERT OCTAL NUMBERS TO DECIMAL NUMBERS	9	30	21	20	8	0	47	24	0	32	82	20	
K 688 K3-04 DO YOU CONVERT OCTAL NUMBERS TO BINARY NUMBERS	10	20	16	12	6	0	38	20	0	32	64	15	
K 689 K3-05 DO YOU CONVERT BINARY NUMBERS TO DECIMAL NUMBERS	46	50	19	18	7	6	39	35	4	36	73	46	
K 690 K3-06 DO YOU CONVERT BINARY NUMBERS TO OCTAL NUMBERS	10	30	16	15	5	0	35	23	0	36	64	20	
K 691 K3-07 DO YOU ADD BINARY NUMBERS TO GET A SUM	41	30	13	11	5	6	27	21	4	16	64	24	
K 692 K3-08 DO YOU SUBTRACT BINARY NUMBERS USING THE END-AROUND-CARRY METHOD	30	30	7	1	2	3	17	16	4	16	55	15	
K 693 K3-09 DO YOU SUBTRACT BINARY NUMBERS USING THE DIRECT SUBTRACTION METHOD	31	20	8	1	3	3	19	16	4	16	55	15	
K 694 K3-10 DO YOU ADD OCTAL NUMBERS TO GET A SUM	8	10	14	7	6	3	32	12	0	16	55	7	
L 695 L1-01 IN YOUR PRESENT JOB, DO YOU PERFORM ANY TASKS RELATING TO LOGIC FUNCTIONS	54	50	12	32	2	0	10	55	30	52	55	73	
L 696 L1-02 DO YOU CONSTRUCT TRUTH TABLES FOR AND LOGIC SYMBOLS OR GATES	27	30	2	2	1	0	2	26	15	28	27	34	
L 697 L1-03 DO YOU CONSTRUCT TRUTH TABLES FOR OR LOGIC SYMBOLS OR GATES	27	30	2	2	1	0	3	26	15	28	27	34	
L 698 L1-04 DO YOU CONSTRUCT TRUTH TABLES FOR AND OR OR LOGIC SYMBOLS WITH STATE INDICATORS	24	30	2	2	1	0	1	26	15	28	27	34	
L 699 L1-05 DO YOU CONSTRUCT TRUTH TABLES FOR EXCLUSIVE OR LOGIC SYMBOLS OR GATES	26	30	1	1	1	0	0	25	15	28	27	29	
L 700 L1-06 DO YOU USE OR REFER TO TRUTH TABLES FOR AND LOGIC SYMBOLS OR GATES	42	50	4	7	1	0	4	34	11	28	45	49	
L 701 K1-07 DO YOU USE OR REFER TO TRUTH TABLES FOR OR LOGIC SYMBOLS OR GATES	42	50	4	7	1	0	4	35	11	28	45	51	
L 702 K1-08 DO YOU USE OR REFER TO TRUTH TABLES FOR AND OR OR LOGIC SYMBOLS WITH STATE INDICATORS	42	40	3	5	1	0	4	33	11	24	45	49	
L 703 L1-09 DO YOU USE OR REFER TO TRUTH TABLES FOR EXCLUSIVE OR LOGIC SYMBOLS	42	50	3	3	1	0	3	24	7	24	36	32	
L 704 L1-10 DO YOU USE OR REFER TO LOGIC SYMBOLS FOR AND GATES	50	50	11	31	2	0	8	54	26	56	64	68	
L 705 L1-11 DO YOU USE OR REFER TO LOGIC SYMBOLS FOR OR GATES	50	50	11	31	2	0	9	54	26	56	64	68	
L 706 L1-12 DO YOU USE OR REFER TO LOGIC SYMBOLS FOR NAND OR NOR GATES	50	50	10	25	2	0	8	53	26	56	64	68	

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

		DY-15A															
		SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
		001	026	600	601	602	603	604	605	606	607	608	609				
L 707	L1-13 DO YOU USE OR REFER TO LOGIC SYMBOLS FOR EXCLUSIVE OR GATES	50	50	0	21	2	0	6	48	22	56	64	59				
L 708	L2-01 IN YOUR PRESENT JOB, DO YOU PERFORM ANY TASKS RELATING TO BOOLEAN EQUATIONS, LOGIC DIAGRAMS, OR LOGIC CIRCUITS	30	30	4	8	1	0	1	26	7	16	27	44				
L 709	L2-02 DO YOU DRAW LOGIC SYMBOLS FOR DIRECT COUPLED TRANSISTOR LOGIC (DCTL) CIRCUITS	14	20	0	0	0	0	0	8	7	8	9	10				
L 710	L2-03 DO YOU CONSTRUCT TRUTH TABLES FOR CURRENT MODE LOGIC (CML) CIRCUITS	6	0	0	0	1	0	0	6	0	8	9	7				
L 711	L2-04 DO YOU DRAW LOGIC DIAGRAMS FROM GIVEN BOOLEAN EQUATIONS	13	0	0	0	0	0	0	5	0	4	9	7				
L 712	L2-05 DO YOU MEASURE INPUTS OR OUTPUTS OF LOGIC GATES	38	30	2	5	1	0	0	21	7	12	27	34				
L 713	L2-06 DO YOU DEVELOP OR ANALYZE BOOLEAN EQUATIONS IN THE PROCESS OF TROUBLESHOOTING DIGITAL CIRCUITS	17	0	1	0	1	0	0	8	0	4	9	17				
L 714	L2-07 DO YOU ANALYZE LOGIC CIRCUITS BY USING BOOLEAN ALGEBRA	16	0	1	1	1	0	1	9	0	4	9	20				
L 715	L2-08 DO YOU USE OR REFER TO LOGIC SYMBOLS FOR DIRECT COUPLED TRANSISTOR LOGIC (DCTL) CIRCUIT GATES	26	20	1	0	1	0	0	17	7	20	18	22				
L 716	L2-09 DO YOU USE OR REFER TO TRUTH TABLES FOR CURRENT MODE LOGIC (CML) CIRCUITS	10	0	1	0	1	0	0	9	4	12	9	12				
L 717	L2-10 DO YOU USE OR REFER TO LOGIC DIAGRAMS CONSISTING OF MORE THAN ONE GATE	34	30	4	8	1	0	2	23	7	16	18	37				
L 718	L2-11 DO YOU COMPUTE SUM AND CARRY EXPRESSIONS FOR SERIAL HALF OR FULL ADDER LOGIC DIAGRAMS	13	10	0	0	1	0	0	5	0	0	9	10				
L 719	L2-12 DO YOU TRACE DATA FLOW THROUGH PARALLEL FULL ADDER LOGIC DIAGRAMS	22	10	1	1	1	0	1	11	4	4	18	20				
L 720	L2-13 DO YOU WORK WITH ASTABLE (FREE RUNNING) MULTIVIBRATORS	41	30	1	1	1	0	0	20	7	20	18	29				
L 721	L2-14 DO YOU WORK WITH BISTABLE (FLIP-FLOP) MULTIVIBRATORS	42	30	1	3	1	0	0	22	7	20	18	34				
L 722	L2-15 DO YOU WORK WITH MONOSTABLE (ONE-SHOT) MULTIVIBRATORS	41	30	1	1	1	0	0	22	7	20	18	34				
L 723	L2-16 DO YOU USE OR REFER TO FLIP-FLOP MULTIVIBRATOR SYMBOLS	42	30	2	3	1	0	1	25	7	20	18	41				
L 724	L2-17 DO YOU USE OR REFER TO SINGLE-SHOT MULTIVIBRATOR SYMBOLS	41	30	2	1	1	0	0	24	7	20	18	39				
L 725	L2-18 DO YOU USE OR REFER TO FLIP-FLOP CIRCUIT DIAGRAMS	42	30	2	3	1	0	1	25	7	20	27	39				
L 726	L2-19 DO YOU USE OR REFER TO FLIP-FLOP TRUTH TABLES	32	30	1	1	1	0	1	16	7	12	18	24				
L 727	L2-20 DO YOU USE OR REFER TO COMPLEMENTED FLIP-FLOP LOGIC SYMBOLS	35	20	1	1	1	0	1	16	7	16	18	22				
L 728	L2-21 DO YOU USE OR REFER TO COMPLEMENTING FLIP-FLOP LOGIC SYMBOLS	34	20	1	1	1	0	1	16	7	16	18	22				
L 729	L2-22 DO YOU MEASURE OUTPUT WAVESHAPES OF LOGIC CIRCUITS	35	30	1	0	1	0	0	23	7	20	9	39				
L 730	L2-23 DO YOU TRACE DATA FLOW THROUGH COMPLEMENTED FLIP-FLOP SCHEMATIC DIAGRAMS	33	20	2	1	1	0	2	15	7	16	9	22				
L 731	L2-24 DO YOU TRACE DATA FLOW THROUGH COMPLEMENTING FLIP-FLOP SCHEMATIC DIAGRAMS	33	20	1	1	1	0	2	15	7	16	9	22				
L 732	L2-25 DO YOU CONSTRUCT TRUTH TABLES FOR J-K FLIP-FLOP LOGIC SYMBOLS	13	10	0	0	1	0	0	9	4	12	0	15				

PCT MBRS RESPONDING 'YES' BY DAFSC GROUPS

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AF HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

		BY-ISK															
		SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
		001	026	600	601	602	603	604	605	606	607	608	609	610	611	612	613
M 761 M1-05 DO YOU WORK WITH BLOCKING OSCILLATORS		70	10	1	0	1	3	1	20	11	28	27	20				
M 762 M1-06 DO YOU USE OR REFER TO RISE TIME		71	50	2	0	1	0	3	74	56	88	73	78				
M 763 M1-07 DO YOU USE OR REFER TO FALL OR FLYBACK TIME		66	30	2	0	1	0	2	67	41	88	73	71				
M 764 M1-08 DO YOU USE OR REFER TO SLEEP TIME		76	50	3	0	1	8	4	69	48	88	73	71				
M 765 M1-09 DO YOU USE OR REFER TO ELECTRICAL LENGTH OF SAWTOOTH		72	30	2	0	0	8	2	27	22	36	36	24				
WAVEFORMS																	
M 766 M1-10 DO YOU USE OR REFER TO PHYSICAL LENGTH OF SAWTOOTH		72	20	1	0	0	3	1	32	22	44	64	24				
WAVEFORMS																	
M 767 M1-11 DO YOU USE OR REFER TO LINEAR SLOPE OF SAWTOOTH		69	30	1	0	0	3	0	22	19	40	36	10				
WAVEFORMS																	
M 768 M1-12 DO YOU USE OR REFER TO GATE LENGTH OF SAWTOOTH		62	40	1	0	0	3	0	18	11	28	36	12				
WAVEFORMS																	
M 769 M2-01 DO YOU USE SIGNAL GENERATORS IN YOUR PRESENT JOB		68	90	12	2	19	22	1	85	85	92	82	80				
M 770 M2-02 DO YOU PERFORM OPERATIONAL CHECKS WHILE USING SIGNAL		62	90	11	2	19	17	0	79	81	84	73	76				
GENERATORS																	
M 771 M2-03 DO YOU PERFORM PERIODIC MAINTENANCE SUCH AS		61	80	5	1	8	6	1	58	44	72	64	59				
ADJUSTING, ALIGNING, OR CALIBRATING WHILE USING SIGNAL																	
GENERATORS																	
M 772 M2-04 DO YOU TROUBLESHOOT TO AN ASSEMBLY OR SUBASSEMBLY		58	80	9	2	16	6	1	48	30	68	64	44				
WHILE USING SIGNAL GENERATORS																	
M 773 M2-05 DO YOU TROUBLESHOOT TO THE SMALLEST REPLACEABLE		49	80	3	1	5	0	0	21	19	24	18	22				
COMPONENT WHILE USING SIGNAL GENERATORS																	
M 774 M2-06 DO YOU USE AUDIO SINE-WAVE GENERATORS		43	30	5	0	4	0	0	58	81	88	73	22				
M 775 M2-07 DO YOU USE AUDIO NON-SINUSOIDAL WAVE GENERATORS SUCH		36	90	1	0	1	0	0	47	11	92	64	41				
AS SQUARE WAVE, TRIANGLE, PULSE, OR SPIKE																	
M 776 M2-08 DO YOU USE RF GENERATORS LESS THAN 1,000 MH		42	30	2	0	3	0	0	40	15	68	73	32				
M 777 M2-09 DO YOU USE RF GENERATORS GREATER THAN 1,000 MH		51	30	1	1	2	0	0	40	4	48	55	54				
M 778 M2-10 DO YOU USE OTHER SPECIAL PURPOSE OR MULTI-FUNCTION		35	40	7	1	11	14	0	51	33	72	73	44				
GENERATORS																	
M 779 M3-01 IN YOUR PRESENT JOB, DO YOU PERFORM ANY TASKS DEALING		91	80	39	44	54	31	8	49	89	36	27	34				
WITH ALTERNATING CURRENT OR DIRECT CURRENT MOTORS OR																	
GENERATORS																	
M 780 M3-02 DO YOU INSPECT MOTORS		90	70	32	37	45	25	3	45	85	40	9	32				
M 781 M3-03 DO YOU CLEAN OR LUBRICATE MOTORS		90	60	19	7	35	19	2	39	74	28	9	29				
M 782 M3-04 DO YOU OPERATE MOTORS		85	80	36	37	52	31	7	45	85	36	9	34				
M 783 M3-05 DO YOU REMOVE OR REPLACE COMPLETE MOTORS		90	80	26	1	51	25	2	41	78	32	0	32				
M 784 M3-06 DO YOU REMOVE OR REPLACE MOTOR PARTS		68	40	14	1	29	8	1	21	67	4	0	7				
M 785 M3-07 DO YOU TROUBLESHOOT AS FAR AS CHECKING WIRE		89	70	31	31	46	22	6	42	81	28	18	29				
CONNECTIONS OF MOTORS																	
M 786 M3-08 DO YOU TROUBLESHOOT DOWN TO COMPONENT PARTS OF MOTORS		50	40	18	20	29	8	0	20	67	0	0	7				
M 787 M3-09 DO YOU PERFORM ANY TASKS ON FIELD COILS		34	20	3	0	6	3	0	9	30	4	0	2				
M 788 M3-10 DO YOU PERFORM ANY TASKS ON ARMATURES		39	40	5	1	8	3	0	18	63	4	0	2				
M 789 M3-11 DO YOU PERFORM ANY TASKS ON ROTORS		43	20	4	1	7	3	0	14	48	4	0	2				
M 790 M3-12 DO YOU PERFORM ANY TASKS ON BRUSHES		76	50	13	3	24	3	0	24	89	4	0	0				
M 791 M3-13 DO YOU PERFORM ANY TASKS ON SLIP RINGS		67	10	4	1	7	3	0	8	26	4	0	0				
M 792 M3-14 DO YOU PERFORM ANY TASKS ON COMMUTATORS		54	40	6	1	12	0	0	22	78	4	0	2				
M 793 M3-15 DO YOU PERFORM ANY TASKS ON POLE PIECES		32	10	3	0	4	3	0	8	30	4	0	0				

TASK	GROUP SUMMARY	PERCENT MEMBERS PERFORMING
1. Identify the problem	100%	100%
2. Generate ideas	100%	100%
3. Evaluate ideas	100%	100%
4. Select a solution	100%	100%
5. Implement the solution	100%	100%
6. Evaluate the results	100%	100%

	DI-TSK	SPC 001	SPC 026	SPC 600	SPC 601	SPC 602	SPC 603	SPC 604	SPC 605	SPC 606	SPC 607	SPC 608	SPC 609
0 916 03-03 DO YOU CLEAN ANTENNAS		69	40	13	0	18	0	15	1	0	4	0	0
0 917 03-04 DO YOU PHYSICALLY ALIGN ANTENNAS		68	0	5	1	8	0	4	1	0	4	0	0
0 918 03-05 DO YOU ELECTRICALLY ALIGN ANTENNAS		57	0	4	0	8	0	2	1	0	4	0	0
0 919 03-06 DO YOU TROUBLESHOOT TO ANTENNAS		64	30	11	13	13	0	7	1	0	4	0	0
0 920 03-07 DO YOU TROUBLESHOOT TO ANTENNA COMPONENTS		62	0	6	2	10	0	2	0	0	0	0	0
0 921 03-08 DO YOU REMOVE OR INSTALL ANTENNAS		46	40	10	0	12	0	15	0	0	0	0	0
0 922 03-09 DO YOU REMOVE OR REPLACE COMPONENTS OF ANTENNAS		59	0	6	0	11	0	3	0	0	0	0	0
0 923 03-10 DO YOU USE OR REFER TO TECHNICAL DATA CONTAINING REPRESENTATIONS OF E OR ELECTRIC FIELD LINES		17	0	1	0	1	0	0	0	0	0	0	0
0 924 03-11 DO YOU USE OR REFER TO TECHNICAL DATA CONTAINING REPRESENTATIONS OF H OR MAGNETIC FIELD LINES		17	0	1	0	1	0	0	0	0	0	0	0
0 925 03-12 DO YOU DETERMINE THE DIRECTION OF THE MAGNETIC LINES IN RELATION TO THE ELECTRIC LINES OF FORCE FOR ANTENNAS		15	0	0	0	0	0	0	0	0	0	0	0
0 926 03-13 DO YOU USE OR REFER TO THE GENERAL RULE THAT ANTENNAS WHICH ARE OF CORRECT LENGTH (HALF-WAVE) ACT AS INDUCTIVE LOADS TO THE GENERATOR		14	0	0	0	0	0	0	0	0	0	0	0
0 927 03-14 DO YOU USE OR REFER TO THE GENERAL RULE THAT ANTENNAS WHICH ARE LONGER THAN A HALF-WAVE ACT AS INDUCTIVE LOADS TO THE GENERATOR		12	0	0	0	0	0	0	0	0	0	0	0
0 928 03-15 DO YOU USE OR REFER TO THE GENERAL RULE THAT ANTENNAS WHICH ARE SHORTER THAN A HALF-WAVE ACT AS CAPACITIVE LOADS TO THE GENERATOR		14	0	0	0	0	0	0	0	0	0	0	0
0 929 03-16 DO YOU WORK WITH HERTZ ANTENNAS		14	0	3	6	3	0	0	0	0	0	0	0
0 930 03-17 DO YOU WORK WITH MARCONI ANTENNAS		8	0	0	1	0	0	1	0	4	0	0	0
0 931 03-18 DO YOU WORK WITH BROADSIDE ARRAYS		6	0	0	0	0	0	0	0	0	0	0	0
0 932 03-19 DO YOU WORK WITH END-FIRE ARRAYS		3	0	0	0	1	0	0	0	0	0	0	0
0 933 03-20 DO YOU WORK WITH CARBONOID ARRAYS		4	0	0	1	0	0	0	0	0	0	0	0
0 934 03-21 DO YOU WORK WITH COLLINER ARRAYS		6	0	1	1	0	0	0	0	0	0	0	0
0 935 03-22 DO YOU USE OR REFER TO THE TERM ELECTROMAGNETIC INDUCTION FIELDS WHEN WORKING WITH ANTENNAS		13	0	0	0	1	0	0	0	0	0	0	0
0 936 03-23 DO YOU MEASURE ELECTROMAGNETIC INDUCTION FIELDS OF ANTENNAS		8	0	0	0	1	0	0	0	0	0	0	0
0 937 03-24 DO YOU USE OR REFER TO THE TERM ELECTROMAGNETIC RADIATION FIELDS WHEN WORKING WITH ANTENNAS		17	0	1	0	1	0	0	0	0	0	0	0
0 938 03-25 DO YOU MEASURE ELECTROMAGNETIC RADIATION FIELDS OF ANTENNAS		8	0	1	0	1	0	0	0	0	0	0	0
0 939 03-26 DO YOU USE OR REFER TO THE TIME PHASE OF ELECTRIC (E) AND MAGNETIC (H) COMPONENTS IN ANTENNA RADIATION		12	0	0	0	0	0	0	0	0	0	0	0
0 940 03-27 DO YOU USE OR REFER TO THE TIME PHASE OF ELECTRIC (E) AND MAGNETIC (H) COMPONENTS IN ANTENNA INDUCTION FIELD		11	0	0	0	0	0	0	0	0	0	0	0
0 941 03-28 ARE ANY OF THE ANTENNAS YOU WORK ON LINEARLY POLARIZED		19	10	1	0	1	0	0	0	0	0	0	0
0 942 03-29 ARE ANY OF THE ANTENNAS YOU WORK ON CIRCULARLY POLARIZED		17	0	1	0	2	0	0	0	0	0	0	0
0 943 03-30 DO YOU MEASURE OR DETERMINE THE POLARITY OF ANTENNAS YOU WORK ON		6	0	0	0	0	0	1	0	4	0	0	0
0 944 03-31 DO YOU CONSTRUCT, OR MAKE THE CALCULATIONS NECESSARY TO CONSTRUCT, ANTENNAS OF CORRECT LENGTH FOR SPECIFIC WAVELENGTHS		5	0	1	0	2	0	0	0	0	0	0	0

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DY-15K

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	
	001	025	600	601	602	603	604	605	606	607	608	609
0 945 03-32 DO THE ANTENNA ARRAYS YOU WORK WITH CONTAIN PARASITIC ELEMENTS	13	10	1	1	2	0	0	0	0	0	0	0
0 946 03-33 DO THE ANTENNA ARRAYS YOU WORK WITH CONTAIN PARASITIC ELEMENTS SERVING AS DIRECTORS	9	10	1	1	1	0	0	0	0	0	0	0
0 947 03-34 DO THE ANTENNA ARRAYS YOU WORK WITH CONTAIN PARASITIC ELEMENTS SERVING AS REFLECTORS	22	10	1	1	1	0	0	0	0	0	0	0
0 948 03-35 DO THE ANTENNA ARRAYS YOU WORK WITH CONTAIN DON'T REMEMBER WHAT KIND OF ELEMENTS	19	20	7	7	7	0	7	1	0	4	0	0
0 949 03-36 DO YOU WORK ON UNIDIRECTIONAL ANTENNAS	43	20	4	5	6	0	3	0	0	0	0	0
0 850 03-37 DO YOU WORK ON BIDIRECTIONAL ANTENNAS	20	10	2	5	1	0	2	0	0	0	0	0
0 851 03-38 DO YOU WORK ON DON'T REMEMBER THE DIRECTIONALITY	9	20	7	7	8	0	6	1	0	4	0	0
0 852 03-39 DO YOU WORK WITH ROTAR ANTENNA ARRAYS	35	0	1	1	1	0	0	1	0	0	0	0
P 953 P1-01 IN YOUR PRESENT JOB DO YOU WORK WITH TRANSMISSION LINES (TRANSMISSION LINES ARE DEFINED TO INCLUDE LEADS BETWEEN RECEIVERS AND ANTENNAS, TELEPHONE LEADS, AS WELL AS HIGH VOLTAGE POWER LINES, ETC. DO NOT CONSIDER WAVEGUIDES AS TRANSMISSION LINES)	41	10	5	1	10	3	2	6	0	8	9	5
P 954 P1-02 DO YOU REFER TO OR USE COPPER LOSS OR IZR LOSS IN TRANSMISSION LINES	14	0	1	0	1	0	1	1	0	4	0	0
P 955 P1-03 DO YOU REFER TO OR USE SKIN EFFECTS OF HIGH FREQUENCY CURRENTS IN TRANSMISSION LINES	14	0	0	0	1	0	0	0	0	0	0	0
P 956 P1-04 DO YOU REFER TO OR USE RADIATION LOSS IN TRANSMISSION LINES	14	0	1	1	1	0	0	2	0	0	0	2
P 957 P1-05 DO YOU USE OR REFER TO DIELECTRIC LOSS IN TRANSMISSION LINES	14	0	1	0	2	0	0	1	0	0	9	0
P 958 P1-06 DO YOU USE OR REFER TO LEAKAGE LOSSES IN TRANSMISSION LINES	19	10	1	0	1	0	0	4	0	4	9	5
P 959 P1-07 DO YOU WORK WITH TWISTED PAIR TRANSMISSION LINES	21	10	1	0	1	3	1	0	0	0	0	0
P 960 P1-08 DO YOU WORK WITH TV-N LEAD TRANSMISSION LINES	18	0	2	1	3	0	1	2	0	8	0	0
P 961 P1-09 DO YOU WORK WITH OPEN TWO-WIRE TRANSMISSION LINES	7	0	1	0	1	0	1	0	0	0	0	0
P 962 P1-10 DO YOU WORK WITH FLEXIBLE COAXIAL CABLE TRANSMISSION LINES	37	10	4	0	7	3	2	6	0	8	9	5
P 963 P1-11 DO YOU WORK WITH RIGID COAXIAL CABLE TRANSMISSION LINES	21	0	2	1	4	0	1	1	0	4	0	0
P 964 P1-12 DO YOU TROUBLESHOOT TRANSMISSION LINES	32	10	5	1	9	3	1	4	0	4	9	5
P 965 P1-13 DO YOU ANALYZE VOLTAGE OR CURRENT WAVEFORMS IN TRANSMISSION LINES TO DETERMINE THE TYPE OF TERMINATION (OPEN, SHORTED, CAPACITIVE, INDUCTIVE)	4	10	1	0	2	0	0	3	0	4	9	2
P 966 P1-14 DO YOU SELECT APPROPRIATE TRANSMISSION LINES TERMINATIONS TO ACHIEVE DESIRED WAVEFORMS	6	10	1	0	1	0	0	2	0	4	9	0
P 967 P1-15 DO YOU USE OR REFER TO SCHEMATIC SYMBOLS FOR LINE TERMINATIONS IN TERMS OF CIRCUIT TERMINATIONS	22	10	2	0	3	3	0	4	0	8	9	2
P 968 P1-16 DO YOU MEASURE STANDING WAVE RATIOS (SWR) OF TRANSMISSION LINES	25	0	1	0	1	0	0	0	0	0	0	0
P 969 P1-17 DO YOU CALCULATE STANDING WAVE RATIOS (SWR) OF TRANSMISSION LINES	5	0	1	1	1	0	0	0	0	0	0	0
P 970 P1-18 DO YOU PERFORM THE CALCULATIONS NECESSARY TO DETERMINE THE IMPEDANCE AND LENGTH OF QUARTER - WAVELENGTH MATCHING TRANSFORMERS TO MATCH TRANSMISSION LINES TO LOADS	1	0	0	0	1	0	0	3	0	4	9	2

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

0Y-15K

[illegible]

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

		DY-ISK																		SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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01116	01-07 DO YOU DETERMINE THE STATE OF EACH FLIP-FLOP OF A SHIFT REGISTER AFTER A SPECIFIED NUMBER OF SHIFT PULSES HAVE PASSED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

PCT MBRS RESPONDING 'YES' BY DAFSC GROUPS

GP600A PAGE 42

AF HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

		DY-TSM															
		SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
		001	026	600	601	602	603	604	605	606	607	608	609	610	611	612	613
R1140 R1-01 DO YOU WORK WITH PHANTASTRON CIRCUITRY IN YOUR PRESENT JOB		48	0	0	1	0	0	0	1	4	0	0	0				
R1141 R2-01 IN YOUR PRESENT JOB DO YOU WORK WITH SCHMITT TRIGGER CIRCUITS		52	40	5	12	3	0	0	30	15	28	64	32				
R1142 R2-02 DO YOU TRACE DATA FLOW THROUGH SCHMITT TRIGGER SCHEMATIC DIAGRAMS		46	40	4	11	1	0	0	26	15	24	64	24				
R1143 R2-03 DO YOU USE OR REFER TO SCHMITT TRIGGER LOGIC SYMBOLS		31	40	4	11	2	0	0	27	15	24	73	27				
R1144 R3-01 IN YOUR PRESENT JOB DO YOU FABRICATE MULTICONDUCTOR CABLES		41	70	5	0	2	11	8	50	63	36	55	51				
R1145 R3-02 DO YOU FABRICATE COAXIAL CABLES		43	70	5	0	4	6	6	70	63	88	73	63				
S1146 S1-01 IN YOUR PRESENT JOB DO YOU PERFORM ANY TASKS ON VISUAL READOUT SYSTEMS		59	60	29	31	18	31	41	62	48	64	64	71				
S1147 S1-02 DO YOU PERFORM ANY TASKS ON NIXIE LIGHTS OR NIXIE LIGHT DECODER SYSTEMS		14	50	7	6	1	31	9	38	15	64	9	44				
S1148 S1-03 DO YOU ANALYZE NIXIE LIGHT DECODER SYSTEMS USING BOOLEAN ALGEBRA		3	10	2	0	0	0	3	6	0	4	0	12				
S1149 S2-01 DO YOU WORK WITH PHOTO TUBES IN YOUR PRESENT JOB		76	40	5	15	1	0	2	12	4	8	9	20				
S1150 S3-01 IN YOUR PRESENT JOB DO YOU WORK WITH CHOPPER CIRCUITS		20	0	1	0	1	6	0	3	0	0	0	5				
S1151 S3-02 DO YOU MEASURE EXCITATION FREQUENCIES		4	0	0	0	0	3	0	2	0	0	0	5				
S1152 S3-03 DO YOU MEASURE VOLTAGE-CURRENT PHASE RELATIONSHIPS		5	0	1	0	0	6	0	2	0	0	0	5				
S1153 S3-04 DO YOU USE OR REFER TO EXCITATION FREQUENCIES		4	0	1	1	0	3	0	2	0	0	0	5				
S1154 S3-05 DO YOU USE OR REFER TO VOLTAGE-CURRENT PHASE RELATIONSHIPS		7	0	1	1	1	3	0	2	0	0	0	5				
S1155 S3-06 DO YOU USE SERVOS IN CONJUNCTION WITH CHOPPER CIRCUIT OPERATION		7	0	1	1	1	3	0	1	0	0	0	2				
S1156 S3-07 DO YOU USE DETECTORS IN CONJUNCTION WITH CHOPPER CIRCUIT OPERATION		8	0	1	1	0	6	0	2	0	0	0	2				
S1157 S3-08 DO YOU USE ERROR SIGNAL DEVICES IN CONJUNCTION WITH CHOPPER CIRCUIT OPERATION		14	0	1	1	0	3	0	1	0	0	0	2				
S1158 S3-09 DO YOU USE COMPARISON CIRCUITS IN CONJUNCTION WITH CHOPPER CIRCUIT OPERATION		10	0	1	1	0	3	0	2	0	0	0	2				
T1159 T1-01 DOES YOUR PRESENT JOB INVOLVE ANY TASKS DEALING WITH INFRARED SYSTEMS		23	10	0	0	0	0	0	9	37	0	0	0				
T1160 T1-02 DO YOU INSPECT INFRARED SYSTEMS		21	10	0	0	0	0	0	9	37	0	0	0				
T1161 T1-03 DO YOU CLEAN INFRARED SYSTEMS		23	10	0	0	0	0	0	9	37	0	0	0				
T1162 T1-04 DO YOU ADJUST OR CALIBRATE INFRARED SYSTEMS		21	10	0	0	0	0	0	9	37	0	0	0				
T1163 T1-05 DO YOU OPERATE INFRARED SYSTEMS		21	10	0	0	0	0	0	9	37	0	0	0				
T1164 T1-06 DO YOU TROUBLESHOOT WIRE CONNECTIONS OF INFRARED SYSTEMS		16	10	0	0	0	0	0	9	37	0	0	0				
T1165 T1-07 DO YOU TROUBLESHOOT MAJOR ASSEMBLIES OF INFRARED SYSTEMS		16	10	0	0	0	0	0	9	37	0	0	0				
T1166 T1-08 DO YOU TROUBLESHOOT DOWN TO INFRARED SYSTEM COMPONENT PARTS		15	10	0	0	0	0	0	9	37	0	0	0				
T1167 T1-09 DO YOU REMOVE OR REPLACE MAJOR ASSEMBLIES OF INFRARED SYSTEMS		18	10	0	0	0	0	0	8	33	0	0	0				
T1168 T1-10 DO YOU REMOVE OR REPLACE INFRARED SYSTEM COMPONENT PARTS		16	10	0	0	0	0	0	8	33	0	0	0				

TASK	GROUP SUMMARY	PERCENT MEMBERS PERFORMING
1. Identify the problem	100%	100%
2. Generate ideas	100%	100%
3. Evaluate ideas	100%	100%
4. Implement the solution	100%	100%
5. Monitor the solution	100%	100%
6. Evaluate the results	100%	100%
7. Report the results	100%	100%
8. Reflect on the process	100%	100%
9. Share the results	100%	100%
10. Celebrate the success	100%	100%

[illegible]

TASK	GROUP SUMMARY	PERCENT MEMBERS PERFORMING
1. Identify the problem	100%	100%
2. Generate hypotheses	100%	100%
3. Test hypotheses	100%	100%
4. Evaluate results	100%	100%
5. Draw conclusions	100%	100%
6. Communicate results	100%	100%
7. Reflect on the process	100%	100%
8. Apply the results	100%	100%
9. Evaluate the team	100%	100%
10. Celebrate success	100%	100%

PERCENT MEMBERS PERFORMING

0Y-TSK

	001	026	600	601	602	603	604	605	606	607	608	609
DI-15K	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
U1249 U1-16 DO YOU PERFORM TASKS ON INPUT DEVICES	6	30	12	8	10	3	20	23	0	16	55	29
U1250 U1-17 DO YOU PERFORM TASKS ON STORAGE DEVICES	5	30	12	5	10	3	20	21	0	16	55	29
U1251 U1-18 DO YOU PERFORM TASKS ON ARITHMETIC SECTIONS	5	0	8	4	4	0	17	14	0	12	55	15
U1252 U1-19 DO YOU PERFORM TASKS ON CONTROL SECTIONS	9	30	10	6	9	0	16	25	0	20	55	34
U1253 U1-20 DO YOU PERFORM TASKS ON OUTPUT DEVICES	10	30	10	6	8	0	16	24	0	16	55	34
U1254 U1-21 DO YOU PERFORM TASKS ON POWER SUPPLIES	10	30	10	6	9	0	15	29	0	20	55	46
U1255 U2-01 DO YOU USE DECIBELS TO EXPRESS AMPLIFICATION AND ATTENUATION	68	20	4	3	3	3	3	50	15	64	73	59
U1256 U2-02 DO YOU USE LOGARITHMS TO COMPUTE OUTPUT POWER IN DECIBELS	25	0	1	0	1	0	0	8	4	4	0	15
U1257 U2-03 DO YOU USE LOGARITHMS TO COMPUTE ATTENUATION IN DECIBELS	27	0	1	0	1	0	0	7	4	4	0	12
U1258 U2-04 DUMMY TASK TO IDENTIFY INCUMBENTS WHO PERFORMED NO TASKS	1	0	6	1	10	3	3	2	4	0	0	2

PCT MBRS RESPONDING 'YES' BY DAFSC GROUPS

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AF HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND

TABULATION OF PERCENT MEMBERS RESPONDING 'YES' TO
QUESTIONS BY DAFSC GROUPS

REPORTS ON THE FOLLOWING GROUPS WERE REQUESTED

GROUP IDENTITY =	SPC610	ALL AIRMEN DAFSC	32550	CONTAINING	212 MEMBERS.
GROUP IDENTITY =	SPC611	ALL AIRMEN DAFSC	32551	CONTAINING	304 MEMBERS.
GROUP IDENTITY =	SPC612	ALL AIRMEN DAFSC	341513	CONTAINING	123 MEMBERS.
GROUP IDENTITY =	SPC613	ALL AIRMEN DAFSC	34152	CONTAINING	48 MEMBERS.
GROUP IDENTITY =	SPC614	ALL AIRMEN DAFSC	34153	CONTAINING	202 MEMBERS.
GROUP IDENTITY =	SPC615	ALL AIRMEN DAFSC	34154	CONTAINING	119 MEMBERS.
GROUP IDENTITY =	SPC616	ALL AIRMEN DAFSC	34155	CONTAINING	76 MEMBERS.
GROUP IDENTITY =	SPC617	ALL AIRMEN DAFSC	34156	CONTAINING	105 MEMBERS.
GROUP IDENTITY =	SPC618	ALL AIRMEN DAFSC	42350	CONTAINING	346 MEMBERS.

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

BY-ISK

[illegible]

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DY-TSK

	SPC	610	611	612	613	614	615	616	617	618
C 121 C1-30 DO YOU WORK WITH ROTOR-STATOR (VARIABLE) CAPACITORS	17	22	20	75	30	46	67	44	18	
C 122 C1-31 DO YOU WORK WITH COMPRESSION (TRIMMER) CAPACITORS	8	10	23	52	31	46	58	44	12	
C 123 C1-32 DO YOU WORK WITH ELECTROLYTIC (FIXED) CAPACITORS	59	43	49	96	95	88	90	93	36	
C 124 C1-33 DO YOU WORK WITH PAPER (FIXED) CAPACITORS	53	31	46	92	86	84	88	81	25	
C 125 C1-34 DO YOU WORK WITH MICA (FIXED) CAPACITORS	48	33	48	88	86	87	90	85	26	
C 126 C1-35 DO YOU WORK WITH CERAMIC (FIXED) CAPACITORS	54	30	48	90	85	90	92	85	31	
C 127 C1-36 DO YOU WORK WITH DON'T REMEMBER WHICH TYPE OF CAPACITORS	22	28	9	8	21	19	6	13	29	
C 128 C2-01 DO YOU WORK WITH TRANSFORMERS IN YOUR PRESENT JOB	65	44	40	90	88	85	90	80	80	
C 129 C2-02 DO YOU INSPECT TRANSFORMERS	65	43	42	94	91	74	83	77	85	
C 130 C2-03 DO YOU CLEAN TRANSFORMERS	45	22	28	73	63	47	56	54	60	
C 131 C2-04 DO YOU ADJUST TRANSFORMERS	22	12	19	73	41	39	42	44	35	
C 132 C2-05 DO YOU TROUBLESHOOT TRANSFORMERS	56	38	40	83	83	73	77	77	86	
C 133 C2-06 DO YOU REMOVE OR REPLACE COMPLETE TRANSFORMERS	64	37	39	94	93	89	90	87	91	
C 134 C2-07 DO YOU REMOVE OR REPLACE TRANSFORMER PARTS, SUCH AS THE PRIMARY WINDING	4	2	7	19	6	9	6	11	12	
C 135 C2-08 DO YOU MAKE A DISTINCTION BETWEEN MUTUAL INDUCTION AND MUTUAL INDUCTANCE (M)	2	2	5	8	8	8	9	8	11	
C 136 C2-09 DO YOU USE THE SYMBOL FOR MUTUAL INDUCTANCE, M	2	3	7	10	11	8	8	10	7	
C 137 C2-10 DO YOU REFER TO OR USE THE COEFFICIENT OF COUPLING WHEN WORKING WITH TRANSFORMERS	2	3	7	19	21	15	18	19	9	
C 138 C2-11 DO YOU CALCULATE TURNS RATIOS FOR TRANSFORMERS USING CURRENT OR VOLTAGE RATIOS	4	6	11	19	30	22	27	20	10	
C 139 C2-12 DO YOU REFER TO REFLECTED IMPEDANCE WHEN WORKING WITH TRANSFORMERS	4	4	5	10	13	8	18	13	10	
C 140 C2-13 DO YOU CALCULATE IMPEDANCE INTERACTIONS FOR TRANSFORMERS	2	2	4	10	10	8	12	11	6	
C 141 C2-14 DO YOU WORK WITH AUTOTRANSFORMERS	15	17	21	27	50	39	45	36	73	
C 142 C2-15 DO YOU WORK WITH POWER TRANSFORMERS	61	38	39	83	86	81	81	83	78	
C 143 C2-16 DO YOU WORK WITH AUDIO TRANSFORMERS	8	8	32	65	64	67	54	61	9	
C 144 C2-17 DO YOU WORK WITH RADIO FREQUENCY TRANSFORMERS	7	5	7	65	25	31	35	38	3	
C 145 C2-18 DO YOU WORK WITH DON'T REMEMBER WHAT TYPE OF TRANSFORMERS	17	17	7	13	24	23	14	10	23	
C 146 C2-19 DO YOU CHECK TRANSFORMERS FOR OPEN WINDINGS BY MEASURING RESISTANCE	55	35	37	85	88	79	86	78	75	
C 147 C2-20 DO YOU CHECK TRANSFORMERS FOR SHORTED WINDINGS BY MEASURING RESISTANCE	52	32	37	81	83	72	78	72	71	
C 148 C2-21 DO YOU CHECK TRANSFORMERS FOR SHORTED WINDINGS BY MEASURING OUTPUT VOLTAGES	49	32	36	75	70	62	76	61	65	
C 149 C2-22 DO YOU MEASURE RESISTANCE OF TRANSFORMER WINDINGS TO DETERMINE WHETHER A TRANSFORMER HAS A STEP-UP OR STEP-DOWN TURNS RATIO	10	11	22	44	43	29	38	40	33	
C 150 C2-23 DO YOU MEASURE OUTPUT VOLTAGE OF TRANSFORMERS TO DETERMINE WHETHER A TRANSFORMER HAS A STEP-UP OR STEP-DOWN TURNS RATIO	15	15	23	67	57	46	54	51	53	
C 151 C2-24 DO YOU REFER TO BASIC TRANSFORMER SCHEMATIC SYMBOLS FOR TRANSFORMERS	59	40	41	88	93	83	90	84	72	

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	610	611	612	613	614	615	616	617	618
DY-15K									
C 179 C3-09 DO YOU USE OR REFER TO DOMAIN THEORY OF MAGNETISM	4	7	2	8	9	5	9	8	8
C 180 C3-10 DO YOU USE OR REFER TO MAGNETIC INDUCTION	32	31	6	23	34	23	23	24	32
C 181 C3-11 DO YOU USE OR REFER TO FLUX DENSITY	33	23	2	17	21	12	21	25	16
C 182 C3-12 DO YOU USE OR REFER TO THE GENERAL RULE THAT FOR MAGNETIC POLES, LIKE POLES REPEL AND UNLIKE POLES ATTRACT	44	50	28	42	48	45	50	49	57
C 183 C3-13 DO YOU USE THE LEFT HAND THUMB RULE TO FIND THE DIRECTION OF MAGNETIC FIELDS ABOUT STRAIGHT WIRES	9	12	9	27	23	21	28	26	27
C 184 C3-14 DO YOU USE THE LEFT HAND THUMB RULE TO FIND THE NORTH POLE OF A CURRENT CARRYING COIL	7	11	8	27	22	19	26	25	24
D 185 D1-01 DO YOU WORK WITH RCL, LR, RCL CIRCUITS IN YOUR PRESENT JOB	20	10	29	58	68	55	82	72	18
D 186 D1-02 DO YOU USE OR REFER TO VECTORS WHEN WORKING WITH RCL CIRCUITS	4	2	9	21	33	22	38	30	10
D 187 D1-03 DO YOU USE OR REFER TO PYTHAGOREAN THEOREM WHEN WORKING WITH RCL CIRCUITS	2	2	7	19	26	16	35	28	5
D 188 D1-04 DO YOU USE OR REFER TO SINE WHEN WORKING WITH RCL CIRCUITS	8	2	20	15	47	34	60	46	8
D 189 D1-05 DO YOU USE OR REFER TO COSINE WHEN WORKING WITH RCL CIRCUITS	8	2	20	13	46	34	62	45	8
D 190 D1-06 DO YOU USE OR REFER TO TANGENT WHEN WORKING WITH RCL CIRCUITS	3	2	9	10	34	29	53	40	6
D 191 D1-07 DO YOU USE OR REFER TO WATTS WHEN WORKING WITH RCL CIRCUITS	7	4	19	48	36	34	50	43	14
D 192 D1-08 DO YOU USE OR REFER TO TRUE POWER (PT) WHEN WORKING WITH RCL CIRCUITS	2	5	5	23	25	22	26	24	14
D 193 D1-09 DO YOU USE OR REFER TO MAXIMUM POWER (PM) WHEN WORKING WITH RCL CIRCUITS	3	4	7	19	20	19	28	24	11
D 194 D1-10 DO YOU USE OR REFER TO AVERAGE POWER (PAVE) WHEN WORKING WITH RCL CIRCUITS	4	4	6	19	21	23	22	25	10
D 195 D1-11 DO YOU USE OR REFER TO APPARENT POWER (PA) WHEN WORKING WITH RCL CIRCUITS	2	3	7	19	18	17	17	19	13
D 196 D1-12 DO YOU USE OR REFER TO POWER FACTOR (PF) WHEN WORKING WITH RCL CIRCUITS	2	2	6	19	21	18	23	22	14
D 197 D1-13 DO YOU USE OR REFER TO RESONANT CIRCUITS WHEN WORKING WITH RCL CIRCUITS	8	4	11	35	40	35	42	40	8
D 198 D1-14 DO YOU USE OR REFER TO BANDWIDTH WHEN WORKING WITH RCL CIRCUITS	5	2	5	56	26	30	36	41	2
D 199 D1-15 DO YOU USE OR REFER TO SELECTIVITY WHEN WORKING WITH RCL CIRCUITS	5	2	6	29	29	25	33	34	5
D 200 D1-16 DO YOU USE OR REFER TO RESONANT FREQUENCY WHEN WORKING WITH RCL CIRCUITS	6	3	10	35	36	34	36	37	8
D 201 D1-17 DO YOU USE OR REFER TO HALF POWER POINTS WHEN WORKING WITH RCL CIRCUITS	1	2	4	21	13	9	15	21	5
D 202 D1-18 DO YOU USE OR REFER TO BANDPASS REGION WHEN WORKING WITH RCL CIRCUITS	6	2	6	23	17	18	23	28	2
D 203 D1-19 DO YOU USE OR REFER TO CIRCUIT Q WHEN WORKING WITH RCL CIRCUITS	4	2	3	21	13	14	15	23	3

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

0Y-ISM

	DY-TSK	SPC 610	SPC 611	SPC 612	SPC 613	SPC 614	SPC 615	SPC 616	SPC 617	SPC 618
O 229 D2-01 IN YOUR PRESENT JOB. DO YOU WORK WITH, USE, OR REFER TO SERIES OR PARALLEL RESONANT CIRCUITS OR TIME CONSTANTS	5	3	9	38	29	29	50	39	9	
O 230 D2-02 DO YOU WORK WITH, USE, OR REFER TO TIME CONSTANTS	5	2	11	40	25	26	44	33	4	
O 231 D2-03 DO YOU WORK WITH, USE, OR REFER TO AVAILABLE VOLTAGE	3	3	7	27	16	18	24	23	8	
O 232 D2-04 DO YOU WORK WITH, USE, OR REFER TO TRANSIENT INTERVALS	2	2	5	17	8	13	14	18	3	
O 233 D2-05 DO YOU USE OR REFER TO THE GENERAL RULE THAT A CAPACITOR IS FULLY CHARGED (OR DISCHARGED) AFTER FIVE (5) TIME CONSTANTS (TC)	1	3	7	29	18	18	21	30	5	
O 234 D2-06 DO YOU USE OR REFER TO UNIVERSAL TIME CONSTANT CHARTS	0	1	1	10	6	9	9	13	3	
O 235 D2-07 DO YOU USE EQUATIONS OR FORMULAS TO DETERMINE CIRCUIT CURRENT OR COMPONENT VOLTAGES AFTER A SPECIFIC TIME FOR RC OR LR CIRCUITS	0	2	4	19	12	13	14	12	6	
O 236 D2-08 DO YOU USE EQUATIONS OR FORMULAS TO DETERMINE THE TIME REQUIRED FOR CIRCUIT CURRENT OR COMPONENT VOLTAGES TO REACH SPECIFIC VALUES FOR RC OR LR CIRCUITS	0	1	4	19	11	13	14	12	5	
O 237 D2-09 DO YOU USE EQUATIONS OR FORMULAS TO DETERMINE COMPONENT VALUES REQUIRED FOR CIRCUIT CURRENT AND COMPONENT VOLTAGES TO REACH SPECIFIC VALUES IN SPECIFIC TIMES	0	1	4	17	12	13	10	11	5	
O 238 D2-10 DO YOU USE OR REFER TO THE GENERAL RULE THAT CURRENT IN LR CIRCUITS REACHES ITS MINIMUM VALUE (OR ZERO) AFTER FIVE (5) TIME CONSTANTS	0	2	3	19	11	11	10	18	4	
O 239 D3-01 DO YOU WORK WITH CIRCUITS USED AS FILTERS IN YOUR PRESENT JOB	33	12	31	63	54	64	72	76	21	
O 240 D3-02 DO YOU INSPECT FILTER CIRCUITS	27	10	24	69	52	56	64	67	17	
O 241 D3-03 DO YOU CLEAN FILTER CIRCUITS	16	6	20	50	36	40	41	47	11	
O 242 D3-04 DO YOU ALIGN OR ADJUST FILTER CIRCUITS	10	4	20	50	31	47	53	58	7	
O 243 D3-05 DO YOU TROUBLESHOOT TO THE FILTER CIRCUIT LEVEL.	21	8	24	65	47	51	55	65	15	
O 244 D3-06 DO YOU TROUBLESHOOT TO COMPONENT PARTS	21	9	28	65	55	57	60	67	18	
O 245 D3-07 DO YOU REMOVE OR REPLACE THE COMPLETE FILTER CIRCUIT	25	10	24	63	40	57	59	70	18	
O 246 D3-08 DO YOU REMOVE OR REPLACE FILTER CIRCUIT COMPONENT PARTS	17	6	27	65	59	59	62	61	13	
O 247 D3-09 DO YOU WORK WITH LOW PASS FILTERS	24	4	15	50	34	48	40	55	5	
O 248 D3-10 DO YOU WORK WITH HIGH PASS FILTERS	25	4	11	48	29	46	38	54	6	
O 249 D3-11 DO YOU WORK WITH BANDPASS FILTERS	13	2	8	46	19	37	35	42	3	
O 250 D3-12 DO YOU WORK WITH BAND-REJECT FILTERS	10	2	4	42	15	33	27	39	4	
O 251 D3-13 DON'T REMEMBER WHICH TYPE OF FILTER YOU WORK WITH	10	8	15	29	23	22	27	27	12	
O 252 D3-14 DO YOU WORK WITH L-SECTION FILTER CONFIGURATION	10	3	11	40	31	28	44	39	3	
O 253 D3-15 DO YOU WORK WITH T-SECTION FILTER CONFIGURATION	9	3	12	42	30	29	46	41	4	
O 254 D3-16 DO YOU WORK WITH PI-SECTION FILTER CONFIGURATION	8	3	11	35	29	29	47	37	2	
O 255 D3-17 DON'T REMEMBER WHICH TYPE FILTER CONFIGURATION	17	8	15	25	26	29	21	26	11	
O 256 D3-18 DO YOU WORK WITH USE PARALLEL RESONANT CIRCUITS	10	2	16	40	25	31	26	32	7	
O 257 D3-19 DO YOU WORK WITH USE SERIES-PARALLEL CIRCUITS	13	5	18	50	34	34	33	35	11	
O 258 D3-20 DO YOU WORK WITH USE SERIES RESONANT CIRCUITS	10	3	15	40	27	31	28	30	8	

TASK	GROUP SUMMARY	PERCENT MEMBERS PERFORMING
1.0	100%	100%
2.0	100%	100%
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PCT MBRS RESPONDING 'YES' BY DAFSC GROUPS

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AF HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

		DY-15K															
		SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
		610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625
F 327 F2-01 IN YOUR PRESENT JOB, DO YOU PERFORM ANY TASKS DEALING WITH SPEAKERS		5	3	38	65	77	78	53	69	3							
F 328 F2-02 DO YOU INSPECT SPEAKERS		1	1	33	60	72	69	49	63	2							
F 329 F2-03 DO YOU CLEAN SPEAKERS		1	1	24	58	49	46	40	49	0							
F 330 F2-04 DO YOU OPERATE SPEAKERS		5	3	36	63	74	71	50	63	2							
F 331 F2-05 DO YOU TROUBLESHOOT AS FAR AS CHECKING WIRE CONNECTIONS, BUT DO NOT TROUBLESHOOT DOWN TO COMPONENT PARTS OF SPEAKERS		1	1	30	54	69	69	45	60	3							
F 332 F2-06 DO YOU TROUBLESHOOT DOWN TO SPEAKER PARTS		0	1	13	29	20	21	13	15	0							
F 333 F2-07 DO YOU REMOVE OR REPLACE COMPLETE SPEAKERS		1	1	33	63	70	76	49	59	2							
F 334 F2-08 DO YOU REMOVE OR REPLACE SPEAKER PARTS		0	1	6	19	10	12	14	12	1							
F 335 F2-09 DO YOU PERFORM ANY TASKS ON SPEAKER CONES		0	1	3	10	10	9	5	13	0							
F 336 F2-10 DO YOU PERFORM ANY TASKS ON SPEAKER SPIDERS		0	1	2	0	4	8	1	4	0							
F 337 F2-11 DO YOU PERFORM ANY TASKS ON SPEAKER FIELD COILS		0	1	2	6	6	8	5	7	1							
F 338 F2-12 DO YOU PERFORM ANY TASKS ON SPEAKER VOICE COILS		0	1	4	8	6	8	5	8	1							
F 339 F2-13 DO YOU PERFORM ANY TASKS ON SPEAKER PERMANENT MAGNETS		0	1	3	8	7	9	4	12	0							
F 340 F2-14 DO YOU PERFORM ANY TASKS ON SPEAKER ELECTROMAGNETS		0	1	3	10	6	8	4	10	0							
F 341 F2-15 DO YOU PERFORM ANY TASKS ON SPEAKER SOFT IRON CORES		0	1	2	4	4	8	4	4	0							
F 342 F3-01 DO YOU USE OSCILLOSCOPES IN YOUR PRESENT JOB		67	56	45	96	96	98	94	94	20							
F 343 F3-02 DO YOU USE OSCILLOSCOPES TO PERFORM OPERATIONAL CHECKS		59	51	41	96	90	92	99	93	19							
F 344 F3-03 DO YOU USE OSCILLOSCOPES TO PERFORM ALIGNMENTS OR ADJUSTMENTS		49	42	42	96	92	92	96	93	15							
F 345 F3-04 DO YOU USE OSCILLOSCOPES TO TROUBLESHOOT ELECTRONIC CIRCUITS		55	48	43	94	95	95	95	93	16							
F 346 F3-05 DO YOU USE OSCILLOSCOPES TO MEASURE FREQUENCY		38	38	33	96	74	89	91	90	19							
F 347 F3-06 DO YOU USE OSCILLOSCOPES TO MEASURE TIME		23	24	23	94	47	67	96	92	8							
F 348 F3-07 DO YOU USE OSCILLOSCOPES TO OBSERVE LISAIOUS PATTERNS		53	32	20	54	40	38	51	46	8							
F 349 F3-08 DO YOU USE OSCILLOSCOPES TO OBSERVE SIGNALS WHILE UTILIZING ATTENUATOR PROBES		20	20	31	96	77	88	88	85	9							
F 350 F3-09 DO YOU USE OSCILLOSCOPES TO MAKE FREQUENCY OR TIME MEASUREMENTS USING DELAY TIME MULTIPLIERS		15	15	23	67	38	71	92	83	6							
F 351 F3-10 DO YOU USE OSCILLOSCOPES TO MEASURE AC VOLTAGE		50	43	36	96	90	90	96	95	20							
F 352 F3-11 DO YOU USE OSCILLOSCOPES TO MEASURE OR OBSERVE SIGNALS AFTER FIRST ADJUSTING THE GAIN AND DC BAL. CONTROLS		35	26	32	83	68	77	85	81	15							
F 353 F3-12 DO YOU USE OSCILLOSCOPES TO MEASURE DC VOLTAGE		41	36	36	96	87	95	99	97	16							
F 354 F3-01 DO YOU WORK WITH SEMICONDUCTOR DIODES IN YOUR PRESENT JOB		50	41	41	98	96	95	95	88	54							
6 355 61-02 DO YOU INSPECT DIODES		49	38	41	98	91	90	91	85	52							
6 356 61-03 DO YOU REMOVE OR REPLACE DIODES		46	36	43	98	96	96	92	90	55							
6 357 61-04 DO YOU CHECK DIODES USING AN INSTRUMENT		45	34	38	98	90	92	94	90	51							
6 358 61-05 DO YOU USE ENERGY LEVEL DIAGRAMS IN YOUR WORK WITH DIODES		1	2	2	15	7	13	10	9	6							
6 359 61-06 DO YOU USE PM JUNCTION DIODE CHARACTERISTIC CURVES, TOGETHER WITH VALUES OF FORWARD AND REVERSE BIAS VOLTAGE, TO COMPUTE FORWARD OR REVERSE LIAS RESISTANCE		3	4	7	23	14	19	21	25	14							
6 360 61-07 DO YOU COMPUTE FORWARD OR REVERSE BIAS RESISTANCE FOR DIODES		5	7	11	38	20	19	31	30	16							

PCT MBRS RESPONDING 'YES' BY DAESC GROUPS

GPADDB PAGE 59

AF HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DY-1SK

6 361 61-08 DO YOU USE OR REFER TO THE GENERAL RULE THAT TEMPERATURE CAN AFFECT THE OPERATION OF DIODES	21	18	31	79	64	64	67	68	30
6 362 61-09 DO YOU IDENTIFY SEMICONDUCTOR DIODES AS OPPOSED TO OTHER ELECTRONIC COMPONENTS, SUCH AS RESISTORS, BASED ON THEIR PHYSICAL APPEARANCE	37	30	39	90	87	83	86	76	37
6 363 61-10 DO YOU REFER TO OR DO YOU DETERMINE THE GENERAL EFFECTS OF DOPING ON CURRENT FLOW	3	4	11	25	13	13	14	16	10
6 364 61-11 DO YOU USE OR REFER TO MEASUREMENTS OF FORWARD BIAS RESISTANCE	17	14	20	71	50	62	63	62	18
6 365 61-12 DO YOU USE OR REFER TO DIODE COLOR CODING	16	10	23	67	42	47	44	37	15
6 366 61-13 DO YOU USE OR REFER TO CENTRIFUGAL FORCE OF AN ELECTRON IN ORBIT AROUND A NUCLEUS	0	1	2	10	2	5	6	5	4
6 367 61-14 DO YOU USE OR REFER TO CENTRIPETAL FORCE OF AN ELECTRON IN ORBIT AROUND A NUCLEUS	0	1	2	8	4	4	8	4	4
6 368 61-15 DO YOU USE OR REFER TO DIODE NUMBERING SYSTEM, SUCH AS IN 538	26	14	34	88	76	85	82	83	20
6 369 61-16 DO YOU USE OR REFER TO KINETIC ENERGY OF AN ELECTRON MOVING IN ORBIT	0	2	2	10	5	8	8	5	3
6 370 61-17 DO YOU USE OR REFER TO POTENTIAL ENERGY OF AN ELECTRON MOVING IN ORBIT	0	2	2	10	5	7	9	5	4
6 371 61-18 DO YOU USE OR REFER TO MEASUREMENTS OF REVERSE BIAS RESISTANCE	17	13	20	67	46	56	68	59	16
6 372 61-19 DO YOU USE OR REFER TO NUMBER OF ELECTRONS IN A PARTICULAR SHELL OR ORBIT	0	1	3	13	7	8	6	8	5
6 373 61-20 DO YOU USE OR REFER TO PERMISSIBLE ENERGY LEVELS OF AN ORBITING ELECTRON	0	1	2	10	4	7	8	7	3
6 374 61-21 DO YOU USE OR REFER TO FORBIDDEN ENERGY LEVELS OF AN ORBITING ELECTRON	0	1	2	13	4	7	6	7	4
6 375 61-22 DO YOU USE OR REFER TO VALENCE ELECTRONS (THOSE IN THE OUTERMOST SHELL)	1	2	4	15	7	10	9	8	6
6 376 61-23 DO YOU USE OR REFER TO ATOMIC NUMBER (TOTAL NUMBER OF ELECTRONS IN ATOM)	0	1	3	15	5	9	8	8	5
6 377 61-24 DO YOU USE OR REFER TO SYMBOLS ON THE DIODE WHICH INDICATE THE CATHODE END	36	27	37	90	84	82	88	89	35
6 378 61-25 DO YOU NEED TO KNOW WHICH MATERIALS ARE USED IN THE CONSTRUCTION OF DIODES SUCH AS GERMANIUM OR SILICON	5	5	14	42	25	27	31	30	13
6 379 61-26 DO YOU NEED TO KNOW THAT SEMICONDUCTORS HAVE NEGATIVE TEMPERATURE COEFFICIENTS OF RESISTANCE (AS TEMPERATURE INCREASES RESISTANCE DECREASES)	9	12	19	48	41	42	36	50	19
6 380 61-27 DO YOU USE OR REFER TO PN JUNCTION DIODE CHARACTERISTIC CURVES, SUCH AS VOLTAGE - CURRENT	1	3	7	27	17	26	21	29	11
6 381 61-28 DO YOU DETERMINE WHETHER PN JUNCTION DIODES ARE FORWARD BIASED OR REVERSE BIASED WHEN YOU READ OR INTERPRET CIRCUIT DIAGRAMS	23	15	28	69	60	72	71	72	25
6 382 61-29 DO YOU USE OR REFER TO VALENCE BAND IN SEMICONDUCTOR MATERIALS	1	2	4	23	7	10	8	13	4

PCI MEMBERS RESPONDING 'YES' BY DAFSC GROUPS

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AF HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DX-15K

6 437 63-10 DO YOU USE OR REFER TO (COMMON EMITTER) THE CHANGE IN COLLECTOR VOLTAGE WHICH RESULTS FROM A CHANGE IN BASE CURRENT	6	2	11	46	13	32	29	33	4	SPC SPC SPC SPC SPC SPC SPC SPC
6 438 63-11 DO YOU USE OR REFER TO (COMMON EMITTER) THE CALCULATIONS NECESSARY TO MEASURE THE SPECIFIC CHANGE IN COLLECTOR VOLTAGE WHICH RESULTS FROM A SPECIFIC CHANGE IN BASE CURRENT	2	2	9	27	10	18	15	19	3	610 611 612 613 614 615 616 617 618
6 439 63-12 DO YOU USE OR REFER TO (COMMON EMITTER) THE CHANGE IN BASE CURRENT WHICH RESULTS FROM AN INPUT SIGNAL	7	3	13	46	13	33	29	36	4	
6 440 63-13 DO YOU USE OR REFER TO (COMMON EMITTER) THE CALCULATIONS NECESSARY TO MEASURE THE SPECIFIC CHANGE IN BASE CURRENT WHICH RESULTS FROM A SPECIFIC INPUT SIGNAL	3	2	8	29	10	21	15	22	3	
6 441 63-14 DO YOU USE THE LOAD-LINE METHOD OF ANALYSIS IN YOUR CIRCUIT ANALYSIS (THIS METHOD REQUIRES YOU TO PLOT A LOAD-LINE ON A TRANSISTOR CHARACTERISTIC CURVE)	0	1	3	15	2	9	4	12	2	
6 442 63-15 DO YOU USE OR REFER TO THE OPERATING POINT Q (QUIESCENT POINT) FOR A TRANSISTOR	2	2	6	19	6	14	10	18	2	
6 443 63-16 DO YOU CALCULATE THE SPECIFIC QUIESCENT POINT FOR A PARTICULAR TRANSISTOR	0	1	2	13	2	6	4	10	2	
6 444 63-17 DO YOU MEASURE VOLTAGE GAIN USED IN THE COMMON EMITTER CONFIGURATION	15	7	21	58	25	54	44	50	4	
6 445 63-18 DO YOU MEASURE CURRENT GAIN USED IN THE COMMON EMITTER CONFIGURATION	9	6	14	48	16	41	31	34	4	
6 446 63-19 DO YOU MEASURE POWER GAIN USED IN THE COMMON EMITTER CONFIGURATION	9	5	12	42	13	37	23	32	4	
6 447 63-20 DO YOU CALCULATE THE VOLTAGE GAIN FOR SPECIFIC TRANSISTORS USING A FORMULA THAT IS DO YOU DIVIDE THE CHANGE IN BASE-EMITTER VOLTAGE INTO THE CHANGE THE BASE COLLECTOR VOLTAGE TO DETERMINE THE VOLTAGE GAIN	0	1	4	17	5	13	8	11	2	
6 448 63-21 DO YOU CALCULATE THE CURRENT GAIN FOR SPECIFIC TRANSISTORS USING A FORMULA THAT IS DO YOU DIVIDE THE CHANGE IN BASE CURRENT INTO THE CHANGE IN COLLECTOR CURRENT TO DETERMINE THE CURRENT GAIN	0	1	3	17	4	11	8	10	2	
6 449 63-22 DO YOU CALCULATE THE POWER GAIN FOR A SPECIFIC TRANSISTOR USING A FORMULA THAT IS DO YOU MULTIPLY THE CURRENT GAIN TIMES THE VOLTAGE GAIN TO DETERMINE THE POWER GAIN	0	1	3	19	3	10	10	13	1	
6 450 63-23 DO YOU NEED TO KNOW THAT MORE COLLECTOR CURRENT IS GENERATED WITH LESS COLLECTOR VOLTAGE AS TEMPERATURE INCREASES (THIS AFFECTS THE STATIC OPERATING POINT EQ OF THE TRANSISTOR)	1	2	3	21	6	15	15	18	2	
6 451 63-24 DO YOU COMPUTE THE STATIC OPERATING POINT EQ OF A TRANSISTOR AT DIFFERENT TEMPERATURES	0	1	2	10	1	10	3	8	2	
6 452 63-25 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED WITH EMITTER (BYPASSING) RESISTOR STABILIZATION	0	3	14	48	20	39	33	43	2	
6 453 63-26 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED WITH SELF-BIAS STABILIZATION	0	3	13	48	17	38	32	38	3	

PCT MBRS RESPONDING 'YES' BY DAESC GROUPS

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AF HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DI-15K

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	610	611	612	613	614	615	616	617	618
6 454 63-27 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED WITH THERMISTOR STABILIZATION	6	3	6	40	13	30	31	36	3
6 455 63-28 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED WITH FORWARD BIAS DIODE STABILIZATION	8	3	11	48	16	40	31	41	3
6 456 63-29 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED WITH REVERSE BIAS DIODE STABILIZATION	8	3	10	48	16	40	29	41	3
6 457 63-30 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED WITH DOUBLE DIODE STABILIZATION	6	2	8	38	15	32	28	36	3
6 458 63-31 DO YOU TROUBLESHOOT CIRCUITS WHICH HAVE COMPONENTS WHICH PERFORM EMITTER (SWAMPING) RESISTOR STABILIZATION	8	4	15	54	20	45	40	45	2
6 459 63-32 DO YOU TROUBLESHOOT CIRCUITS WHICH HAVE COMPONENTS WHICH PERFORM SELF-BIAS STABILIZATION	9	3	11	54	20	45	41	42	3
6 460 63-33 DO YOU TROUBLESHOOT CIRCUITS WHICH HAVE COMPONENTS WHICH PERFORM THERMISTOR STABILIZATION	7	4	7	44	15	32	36	37	3
6 461 63-34 DO YOU TROUBLESHOOT CIRCUITS WHICH HAVE COMPONENTS WHICH PERFORM FORWARD BIAS DIODE STABILIZATION	10	4	12	56	19	43	38	44	2
6 462 63-35 DO YOU TROUBLESHOOT CIRCUITS WHICH HAVE COMPONENTS WHICH PERFORM REVERSE BIAS DIODE STABILIZATION	10	3	11	54	19	44	38	43	2
6 463 63-36 DO YOU TROUBLESHOOT CIRCUITS WHICH HAVE COMPONENTS WHICH PERFORM DOUBLE DIODE STABILIZATION	6	3	8	40	15	35	31	37	2
6 464 63-37 DO YOU IDENTIFY AMPLITUDE DISTORTION FOR TRANSISTOR CIRCUITS	8	2	11	63	21	55	47	50	1
6 465 63-38 DO YOU TROUBLESHOOT TRANSISTOR CIRCUITS TO FIND THE CAUSES OF AMPLITUDE DISTORTION	7	4	11	67	25	61	50	62	2
6 466 63-39 DO YOU IDENTIFY FREQUENCY DISTORTION FOR TRANSISTOR CIRCUITS	5	2	5	56	18	54	35	44	2
6 467 63-40 DO YOU IDENTIFY PHASE DISTORTION FOR TRANSISTOR CIRCUITS	7	3	4	50	16	48	29	39	2
6 468 63-41 DO YOU TROUBLESHOOT TRANSISTOR CIRCUITS TO FIND THE CAUSES OF PHASE DISTORTION	5	2	5	46	17	47	29	39	2
6 469 63-42 DO YOU TROUBLESHOOT TRANSISTOR CIRCUITS TO FIND THE CAUSES OF FREQUENCY DISTORTION	3	2	3	52	18	50	36	46	2
6 470 63-43 DO YOU NEED TO KNOW THE DEGENERATIVE EFFECTS ON THE CIRCUIT CAUSED BY CHANGING EMITTER RESISTANCE FOR TRANSISTOR AMPLIFIERS IN THE COMMON COLLECTOR CONFIGURATION	4	2	5	33	10	20	27	30	2
6 471 63-44 DO YOU DETERMINE THE CLASS OF OPERATION FOR AMPLIFIERS IN ORDER TO TROUBLESHOOT AMPLIFIER CIRCUITS	5	3	11	42	13	29	33	36	3
6 472 63-45 DO YOU TROUBLESHOOT OR REPAIR PARAPHASE AMPLIFIERS	6	3	7	35	20	37	36	31	2
6 473 63-46 DO YOU TROUBLESHOOT OR REPAIR PUSH-PULL AMPLIFIERS	17	9	28	60	30	63	70	70	3
6 474 63-47 DO YOU TROUBLESHOOT OR REPAIR COMPLEMENTARY SYMMETRY CIRCUITS	6	4	10	38	16	34	49	51	2
6 475 63-48 DO YOU TROUBLESHOOT OR REPAIR COMPOUND-CONNECTED AMPLIFIERS	8	4	12	38	17	40	44	50	2

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

RY-ISK

TASK	GROUP SUMMARY	PERCENT MEMBERS PERFORMING
1. Identify the problem	100%	100%
2. Generate ideas	100%	100%
3. Evaluate ideas	100%	100%
4. Select a solution	100%	100%
5. Implement the solution	100%	100%
6. Evaluate the results	100%	100%

[illegible]

PCI MBRS RESPONDING *YES* BY DAFSC GROUPS.

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AF HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

		DY-ISK															
		SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
		610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625
I 548	11-10 DO YOU WORK WITH MULTIVIBRATORS WHICH CONTAIN RC NETWORKS	5	1	11	54	16	35	41	42	1							
I 549	11-11 DO YOU WORK WITH MULTIVIBRATORS WHICH CONTAIN CRYSTALS	3	1	2	42	4	27	23	26	1							
I 550	11-12 DO YOU WORK WITH MULTIVIBRATORS WHICH CONTAIN DON'T REMEMBER WHICH TYPE OF	2	2	7	29	11	21	22	29	1							
I 551	11-13 DO YOU WORK WITH ASTABLE MULTIVIBRATORS	4	1	11	69	15	45	45	53	1							
I 552	11-14 DO YOU WORK WITH MONOSTABLE MULTIVIBRATORS	5	1	8	69	16	45	59	67	1							
I 553	11-15 DO YOU WORK WITH BISTABLE MULTIVIBRATORS	6	1	19	69	17	46	58	67	2							
I 554	11-16 DO YOU WORK WITH DON'T REMEMBER WHICH TYPE MULTIVIBRATORS	2	2	5	17	12	14	12	10	1							
I 555	12-01 DO YOU WORK WITH LIMITERS OR CLAMPERS IN YOUR PRESENT JOB	14	3	29	67	49	55	69	60	10							
I 556	12-02 DO YOU WORK WITH SERIES DIODE LIMITERS	4	2	24	54	39	43	56	44	6							
I 557	12-03 DO YOU WORK WITH SHUNT DIODE LIMITERS	4	1	18	46	36	39	50	45	7							
I 558	12-04 DO YOU WORK WITH LIMITERS WITH BIAS	5	1	16	40	30	29	42	39	5							
I 559	12-05 DO YOU WORK WITH ZENER DIODE LIMITERS	6	2	19	54	31	44	56	50	7							
I 560	12-06 DO YOU WORK WITH TRANSISTOR LIMITERS	6	1	18	50	21	37	50	47	6							
I 561	12-07 DO YOU WORK WITH DON'T KNOW WHICH TYPE OF LIMITERS	9	2	7	21	17	18	15	19	6							
I 562	12-08 DO YOU WORK WITH BASIC DIODE CLAMPING CIRCUITS	6	2	12	46	28	33	42	39	2							
I 563	12-09 DO YOU WORK WITH DIODE CLAMPING CIRCUITS WITH BIAS	5	2	9	44	24	30	36	37	2							
I 564	12-10 DO YOU WORK WITH DON'T KNOW WHICH TYPE OF CLAMPING CIRCUIT	8	2	8	27	15	24	24	24	4							
I 565	13-01 IN YOUR PRESENT JOB, DO YOU WORK ON EQUIPMENT WHICH CONTAINS ELECTRON TUBES	50	16	44	96	96	31	86	33	11							
I 566	13-02 DO YOU CHECK ELECTRON TUBES TO SEE IF THEY ARE GOOD	52	14	44	94	94	25	83	33	11							
I 567	13-03 DO YOU USE TUBE TESTERS TO CHECK ELECTRON TUBES	51	13	45	94	93	18	82	19	11							
I 568	13-04 DO YOU USE MULTIMETERS TO CHECK ELECTRON TUBES	17	7	29	50	52	18	40	27	9							
I 569	13-05 DO YOU USE SCOPES TO CHECK ELECTRON TUBES	7	3	17	77	51	18	56	28	4							
I 570	13-06 DO YOU USE SUBSTITUTION TO CHECK ELECTRON TUBES	42	11	41	94	84	23	74	26	7							
I 571	13-07 DO YOU USE OR REFER TO CUTOFF	9	4	17	60	51	10	59	20	5							
I 572	13-08 DO YOU USE OR REFER TO PEAK INVERSE VOLTAGE RATING	4	2	11	42	26	9	26	14	5							
I 573	13-09 DO YOU USE OR REFER TO PEAK CURRENT RATING	7	3	8	48	26	11	24	15	5							
I 574	13-10 DO YOU USE OR REFER TO TRANSIT TIME	3	3	4	31	17	4	12	13	4							
I 575	13-11 DO YOU USE OR REFER TO PLATE DISSIPATION RATING	5	3	7	42	20	6	17	12	4							
I 576	13-12 DO YOU USE OR REFER TO SATURATION	10	4	31	58	66	15	60	28	5							
I 577	13-13 DO YOU USE OR REFER TO DC PLATE RESISTANCE	5	3	14	46	30	6	23	17	5							
I 578	13-14 DO YOU COMPUTE ACTUAL VALUES OF THE DC PLATE RESISTANCE FOR ELECTRON TUBES	1	1	5	10	10	3	12	4	3							
I 579	13-15 DO YOU USE OR REFER TO PLATE VOLTAGE	26	6	33	83	81	16	67	28	8							
I 580	13-16 DO YOU USE OR REFER TO PLATE CURRENT	19	6	20	65	58	10	47	25	8							
I 581	13-17 DO YOU USE OR REFER TO GRID VOLTAGE	25	6	31	83	75	16	63	31	8							
I 582	13-18 DO YOU USE OR REFER TO GRID CURRENT	20	5	19	67	55	9	47	27	8							
I 583	13-19 DO YOU USE OR REFER TO CATHODE VOLTAGE	22	6	32	81	75	18	64	30	7							
I 584	13-20 DO YOU USE OR REFER TO CATHODE CURRENT	17	5	20	67	55	10	47	28	7							
I 585	13-21 DO YOU USE OR REFER TO THE TRIODE AMPLIFICATION FACTOR (THE AMPLIFICATION FACTOR FOR TRIODES IS DEFINED AS THE RATIO OF CHANGE IN PLATE VOLTAGE TO A CHANGE IN GRID VOLTAGE)	1	1	8	31	23	6	22	4	3							

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

OY-15K

K 642 K1-05 DO YOU TROUBLESHOOT TO AM TRANSMIT OR RECEIVE SYSTEMS	1	0	0	10	2	3	5	4	0
K 643 K1-06 DO YOU TROUBLESHOOT TO AM TRANSMIT OR RECEIVE	1	0	0	10	2	3	4	4	0
COMPONENTS									
K 644 K1-07 DO YOU REMOVE OR REPLACE AM TRANSMIT OR RECEIVE	1	0	0	10	2	3	4	4	1
SYSTEMS									
K 645 K1-08 DO YOU REMOVE OR REPLACE AM TRANSMIT OR RECEIVE	1	0	0	10	2	3	4	3	1
COMPONENTS									
K 646 K1-09 DO YOU PERFORM TASKS ON RF OSCILLATORS	1	0	0	2	0	2	5	3	0
K 647 K1-10 DO YOU PERFORM TASKS ON RF AMPLIFIERS	1	0	0	2	1	2	5	3	0
K 648 K1-11 DO YOU PERFORM TASKS ON AUDIO AMPLIFIERS	1	0	0	6	1	3	4	3	0
K 649 K1-12 DO YOU PERFORM TASKS ON POWER AMPLIFIERS	1	0	0	4	1	3	4	3	0
K 650 K1-13 DO YOU PERFORM TASKS ON LOCAL OSCILLATORS	1	0	0	2	0	3	4	3	0
K 651 K1-14 DO YOU PERFORM TASKS ON IF AMPLIFIERS	1	0	0	2	0	3	4	2	0
K 652 K1-15 DO YOU PERFORM TASKS ON DETECTORS	1	0	0	0	0	3	4	3	0
K 653 K1-16 DO YOU PERFORM TASKS ON DON'T REMEMBER WHICH AM STAGE	0	0	0	0	0	1	3	3	0
K 654 K1-17 DO YOU USE OR REFER TO AMPLITUDE STABILIZATION IN	0	0	0	0	1	2	4	1	0
TRANSMITTERS									
K 655 K1-18 DO YOU USE OR REFER TO FREQUENCY STABILIZATION IN	0	0	0	0	1	2	4	2	0
TRANSMITTERS									
K 656 K1-19 DO YOU USE OR REFER TO SENSITIVITY OF RECEIVERS	1	0	0	2	0	3	4	3	0
K 657 K1-20 DO YOU USE OR REFER TO SELECTIVITY OF RECEIVERS	1	0	0	2	0	3	3	3	0
K 658 K1-21 DO YOU USE OR REFER TO 2ND HARMONIC DISTORTION	1	0	0	0	0	2	3	2	0
K 659 K1-22 DO YOU USE OR REFER TO BANDPASS DISTORTION	1	0	0	0	0	2	3	3	0
K 660 K1-23 DO YOU USE OR REFER TO SQUARE LAW DISTORTION	1	0	0	0	0	1	3	1	0
K 661 K1-24 DO YOU USE OR REFER TO CO-CHANNEL INTERFERENCE	1	0	0	0	0	2	3	2	0
K 662 K1-25 DO YOU USE OR REFER TO IMAGE FREQUENCIES IN RECEIVERS	1	0	0	0	0	1	1	1	0
K 663 K1-26 DO YOU USE OR REFER TO SIGNAL TO IMAGE RATIOS OR	1	0	0	0	0	1	3	1	0
IMAGE REJECTION RATIOS									
K 664 K1-27 DO YOU TRACE SIGNALS OR CURRENT PATHS THROUGH AM	0	0	0	4	2	1	4	4	0
TRANSMITTER SCHEMATIC DIAGRAMS									
K 665 K1-28 DO YOU TRACE SIGNALS OR CURRENT PATHS THROUGH AM	0	0	0	4	1	3	4	3	0
RECEIVER SCHEMATIC DIAGRAMS									
K 666 K2-01 DO YOU WORK WITH FM TRANSMIT OR RECEIVE SYSTEMS IN	0	1	0	13	2	1	4	7	0
YOUR PRESENT JOB									
K 667 K2-02 DO YOU INSPECT FM TRANSMIT OR RECEIVE SYSTEMS	0	0	0	13	1	1	4	4	0
K 668 K2-03 DO YOU CLEAN FM TRANSMIT OR RECEIVE SYSTEMS	0	0	0	13	1	1	4	3	0
K 669 K2-04 DO YOU ALIGN FM TRANSMIT OR RECEIVE SYSTEMS	0	0	0	10	1	1	4	4	0
K 670 K2-05 DO YOU TROUBLESHOOT TO FM TRANSMIT OR RECEIVE	0	1	0	13	1	1	4	5	0
SYSTEMS									
K 671 K2-06 DO YOU TROUBLESHOOT TO FM TRANSMIT OR RECEIVE	0	1	0	13	1	1	4	4	0
COMPONENTS									
K 672 K2-07 DO YOU REMOVE OR REPLACE FM TRANSMIT OR RECEIVE	0	0	0	8	1	1	4	4	0
SYSTEMS									
K 673 K2-08 DO YOU REMOVE OR REPLACE FM TRANSMIT OR RECEIVE	0	0	0	8	1	1	4	3	0
COMPONENTS									
K 674 K2-09 DO YOU PERFORM TASKS ON AUDIO AMPLIFIERS	0	0	0	13	1	1	4	7	0
K 675 K2-10 DO YOU PERFORM TASKS ON FREQUENCY MULTIPLIERS	0	0	0	10	0	1	4	4	0

PCI MBRS RESPONDING 'YES' BY DAFSC GROUPS

TASK GROUP SUMMARY

PERCENT MEMBERS PERFORMING

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AF HUMAN RESOURCES LABORATORY

AIR FORCE SYSTEMS COMMAND

		DY-15K															
		SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
		610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625
K 676	K2-11 DO YOU PERFORM TASKS ON DRIVERS (INTERMEDIATE AMPLIFIERS)	0	0	0	4	0	1	4	5	0							
K 677	K2-12 DO YOU PERFORM TASKS ON POWER AMPLIFIERS	0	0	0	10	0	1	4	7	0							
K 678	K2-13 DO YOU PERFORM TASKS ON RF AMPLIFIERS	0	0	0	6	0	1	4	5	0							
K 679	K2-14 DO YOU PERFORM TASKS ON FREQUENCY CONVERTERS	0	0	0	13	0	1	4	5	0							
K 680	K2-15 DO YOU PERFORM TASKS ON IF AMPLIFIERS	0	0	0	4	0	1	4	5	0							
K 681	K2-16 DO YOU PERFORM TASKS ON LOGIC	0	0	0	4	0	1	4	5	0							
K 682	K2-17 DO YOU PERFORM TASKS ON FREQUENCY DISCRIMINATORS	0	0	0	4	0	1	4	5	0							
K 683	K2-18 DO YOU TRACE SIGNALS OR CURRENT PATHS THROUGH SCHEMATIC DIAGRAMS OF FM TRANSMITTERS	0	0	0	6	1	1	3	5	0							
K 684	K2-19 DO YOU TRACE SIGNALS OR CURRENT PATHS THROUGH SCHEMATIC DIAGRAMS OF FM RECEIVERS	0	1	0	6	0	1	3	6	0							
K 685	K3-01 DO YOU CONVERT DECIMAL (BASE 10) NUMBERS TO OCTAL (BASE 8) NUMBERS	4	5	9	52	9	87	29	05	3							
K 686	K3-02 DO YOU CONVERT DECIMAL NUMBERS TO BINARY (BASE 2) NUMBERS	7	14	13	73	10	87	33	89	4							
K 687	K3-03 DO YOU CONVERT OCTAL NUMBERS TO DECIMAL NUMBERS	5	3	8	52	9	87	26	88	2							
K 688	K3-04 DO YOU CONVERT OCTAL NUMBERS TO BINARY NUMBERS	4	4	7	50	8	87	27	90	2							
K 689	K3-05 DO YOU CONVERT BINARY NUMBERS TO DECIMAL NUMBERS	8	12	13	65	10	89	31	91	3							
K 690	K3-06 DO YOU CONVERT BINARY NUMBERS TO OCTAL NUMBERS	4	3	7	52	8	88	27	90	1							
K 691	K3-07 DO YOU ADD BINARY NUMBERS TO GET A SUM	8	10	12	58	8	81	28	85	3							
K 692	K3-08 DO YOU SUBTRACT BINARY NUMBERS USING THE END-AROUND-CARRY METHOD	4	3	8	50	8	69	23	68	3							
K 693	K3-09 DO YOU SUBTRACT BINARY NUMBERS USING THE DIRECT SUBTRACTION METHOD	5	7	10	50	8	75	26	76	3							
K 694	K3-10 DO YOU ADD OCTAL NUMBERS TO GET A SUM	3	2	8	48	8	80	29	79	2							
K 695	K3-11 DO YOU PRESENT JOB, DO YOU PERFORM ANY TASKS RELATING TO LOGIC FUNCTIONS	10	8	11	75	15	79	46	82	1							
L 696	L1-02 DO YOU CONSTRUCT TRUTH TABLES FOR AND LOGIC SYMBOLS OR GATES	5	2	7	52	9	50	29	59	1							
L 697	L1-03 DO YOU CONSTRUCT TRUTH TABLES FOR OR LOGIC SYMBOLS OR GATES	5	2	7	52	9	51	29	59	0							
L 698	L1-04 DO YOU CONSTRUCT TRUTH TABLES FOR AND OR LOGIC SYMBOLS WITH STATE INDICATORS	4	2	7	52	8	47	28	57	0							
L 699	L1-05 DO YOU CONSTRUCT TRUTH TABLES FOR EXCLUSIVE OR LOGIC SYMBOLS OR GATES	2	2	7	52	7	48	28	57	0							
L 700	L1-06 DO YOU USE OR REFER TO TRUTH TABLES FOR AND LOGIC SYMBOLS OR GATES	5	3	8	58	10	62	37	65	0							
L 701	L1-07 DO YOU USE OR REFER TO TRUTH TABLES FOR OR LOGIC SYMBOLS OR GATES	5	3	8	58	10	63	38	65	0							
L 702	L1-08 DO YOU USE OR REFER TO TRUTH TABLES FOR AND OR LOGIC SYMBOLS WITH STATE INDICATORS	3	3	7	56	9	57	32	62	0							
L 703	L1-09 DO YOU USE OR REFER TO TRUTH TABLES FOR EXCLUSIVE OR LOGIC SYMBOLS	3	3	7	58	9	58	37	62	0							
L 704	L1-10 DO YOU USE OR REFER TO LOGIC SYMBOLS FOR AND GATES	8	7	11	73	10	77	44	79	1							
L 705	L1-11 DO YOU USE OR REFER TO LOGIC SYMBOLS FOR OR GATES	8	6	11	73	10	79	44	80	1							
L 706	L1-12 DO YOU USE OR REFER TO LOGIC SYMBOLS FOR NAND OR NOR GATES	6	6	11	73	10	78	38	80	0							

PCI MBRS RESPONDING 'YES' BY DAFSC GROUPS.

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AF HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	610	611	612	613	614	615	616	617	618
0Y-TSK									
L 733 L3-01 DO YOU WORK WITH DIGITAL COUNTERS IN YOUR PRESENT JOB	8	16	12	60	8	80	32	75	5
L 734 L3-02 DO YOU USE OR REFER TO UP-COUNTERS	3	6	11	54	8	75	35	75	3
L 735 L3-03 DO YOU USE OR REFER TO DOWN-COUNTERS	3	5	10	54	8	75	33	75	3
L 736 L3-04 DO YOU USE OR REFER TO SERIAL COUNTERS	3	4	7	48	6	67	29	63	0
L 737 L3-05 DO YOU USE OR REFER TO PARALLEL COUNTERS	1	3	7	52	5	66	28	64	1
L 738 L3-06 DO YOU USE OR REFER TO RING COUNTERS	2	2	3	38	3	42	19	39	1
L 739 L3-07 DO YOU USE OR REFER TO DECADE COUNTERS	2	5	7	48	6	57	31	64	1
L 740 L3-08 DO YOU USE OR REFER TO COUNT DETECT CIRCUITS	2	4	7	33	5	50	28	52	1
L 741 L3-09 DO YOU USE OR REFER TO DOWN CLOCKS	2	2	8	54	7	75	29	64	1
L 742 L3-10 DO YOU USE OR REFER TO UP CLOCKS	2	3	9	56	7	75	29	63	1
L 743 L3-11 DO YOU TRACE DATA FLOW THROUGH LOGIC DIAGRAMS OF UP-COUNTERS HAVING COMPLEMENTED FLIP-FLOPS	1	2	7	42	5	65	31	55	1
L 744 L3-12 DO YOU TRACE DATA FLOW THROUGH LOGIC DIAGRAMS OF SERIAL UP- OR DOWN-COUNTERS HAVING COMPLEMENTING FLIP-FLOPS	1	2	7	35	3	62	28	52	1
L 745 L3-13 DO YOU TRACE DATA FLOW THROUGH LOGIC DIAGRAMS OF DECADE COUNTERS	1	2	6	42	3	55	28	52	0
L 746 L3-14 DO YOU TRACE DATA FLOW THROUGH LOGIC DIAGRAMS OF RING COUNTERS	1	1	2	31	2	40	18	30	1
L 747 L3-15 DO YOU TRACE DATA FLOW THROUGH LOGIC DIAGRAMS OF SERIAL UP-COUNTERS FEEDING A PARALLEL STORAGE REGISTER	0	1	6	44	4	56	24	51	0
L 748 L3-16 DO YOU TRACE DATA FLOW THROUGH LOGIC DIAGRAMS OF SHIFT REGISTERS	1	1	7	48	5	71	28	58	0
L 749 L3-17 DO YOU TRACE DATA FLOW THROUGH LOGIC DIAGRAMS OF OTHER TYPE OF COUNTERS	3	4	4	42	3	57	24	51	1
L 750 L3-18 DO YOU COMPUTE THE BINARY COUNT AFTER SPECIFIC INPUT PULSES FOR UP-COUNTERS HAVING COMPLEMENTED FLIP-FLOPS	0	1	6	35	4	53	21	37	0
L 751 L3-19 DO YOU COMPUTE THE BINARY COUNT AFTER SPECIFIC INPUT PULSES FOR SERIAL UP- OR DOWN-COUNTERS HAVING COMPLEMENT-ING FLIP-FLOPS	0	1	5	33	4	51	21	37	0
L 752 L3-20 DO YOU COMPUTE THE BINARY COUNT AFTER SPECIFIC INPUT PULSES FOR SERIAL UP-COUNTERS FEEDING A PARALLEL STORAGE REGISTERS	1	2	5	40	3	52	19	38	0
L 753 L3-21 DO YOU COMPUTE THE BINARY COUNT AFTER SPECIFIC INPUT PULSES FOR OTHER TYPES OF COUNTERS	2	3	6	40	2	49	18	34	1
L 754 L3-22 DO YOU CONSTRUCT TRUTH TABLES FROM LOGIC DIAGRAMS OF DECADE COUNTERS	0	1	4	38	2	27	12	30	0
L 755 L3-23 DO YOU DETERMINE THE STATE OF EACH FLIP-FLOP IN RING COUNTERS FOR SPECIFIC INPUT PULSES	1	1	2	35	2	34	15	32	1
L 756 L3-24 DO YOU DETERMINE THE APPROPRIATE AND GATE NECESSARY IN COUNT DETECT CIRCUITS TO INDICATE A REQUIRED COUNT	0	2	5	40	3	40	24	40	1
M 757 M1-01 DO YOU WORK WITH SAWTOOTH WAVE GENERATORS	6	3	8	83	24	60	76	78	7
M 758 M1-02 DO YOU WORK WITH TRIANGULAR WAVE GENERATORS	3	2	3	54	6	32	40	44	3
M 759 M1-03 DO YOU WORK WITH PULSED OSCILLATORS WITH REGENERATIVE FEEDBACK	5	2	7	65	15	44	46	54	3
M 760 M1-04 DO YOU WORK WITH PULSED OSCILLATORS WITHOUT REGENERATIVE FEEDBACK	3	2	7	56	12	42	45	53	2

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

0Y-15K

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	610	611	612	613	614	615	616	617	618
M 794 M3-16 DO YOU DETERMINE OR MEASURE THE MAGNITUDE OF THE FORCE OR TORQUE CREATED BY A MOTOR	28	5	4	4	16	9	13	13	16
M 795 M3-17 DO YOU DETERMINE OR MEASURE THE DIRECTION OF THE MECHANICAL FORCE OR TORQUE CREATED BY A MOTOR	31	4	10	17	31	14	19	21	20
M 796 M3-18 DO YOU DETERMINE OR MEASURE THE MAGNITUDE OR DIRECTION OF THE INDUCED VOLTAGE IN MOTORS	17	5	8	13	25	10	21	16	21
M 797 M3-19 DO YOU WORK WITH SYNCHRONOUS MOTORS	28	30	32	67	68	50	67	52	28
M 798 M3-20 DO YOU WORK WITH INDUCTION MOTORS	23	23	33	46	69	44	59	40	40
M 799 M3-21 DO YOU WORK WITH SPLIT-PHASE MOTORS	17	10	24	31	55	30	44	34	39
M 800 M3-22 DO YOU WORK WITH SOME COMBINATION OF THE ABOVE MOTORS	34	20	32	48	65	47	71	46	51
M 801 M3-23 DO YOU INSPECT GENERATORS	29	32	40	25	89	55	72	51	86
M 802 M3-24 DO YOU CLEAN OR LUBRICATE GENERATORS	22	14	39	19	81	50	67	50	61
M 803 M3-25 DO YOU OPERATE GENERATORS	27	22	38	23	80	52	69	43	82
M 804 M3-26 DO YOU REMOVE OR REPLACE COMPLETE GENERATORS	25	34	40	25	88	52	69	44	64
M 805 M3-27 DO YOU REMOVE OR REPLACE GENERATOR PARTS	12	5	33	23	58	31	45	28	62
M 806 M3-28 DO YOU TROUBLESHOOT AS FAR AS CHECKING WIRE CONNECTIONS OF GENERATORS	26	37	40	25	89	59	73	50	86
M 807 M3-29 DO YOU TROUBLESHOOT DOWN TO COMPONENT PARTS OF GENERATORS	8	5	27	21	50	27	36	24	65
M 808 M1-01 DO YOU WORK WITH METERS IN YOUR PRESENT JOB	80	79	40	85	87	83	81	86	84
M 809 M1-02 DO YOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF PERMANENT MAGNETS	12	30	9	33	20	22	22	21	28
M 810 M1-03 DO YOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF MOVING COILS	13	32	10	35	21	24	23	29	29
M 811 M1-04 DO YOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF SPIRAL SPRINGS	12	29	10	40	21	21	19	23	21
M 812 M1-05 DO YOU READ METER SCALES	82	85	43	90	88	86	85	86	90
M 813 M1-06 DO YOU EXTEND THE RANGE OF AMMETERS	25	26	15	44	36	34	32	47	40
M 814 M1-07 DO YOU ZERO OHMMETERS	80	84	91	90	86	85	83	85	88
M 815 M1-08 DO YOU ZERO OHMMETERS	20	36	20	48	39	39	42	51	36
M 816 M1-09 DO YOU EXTEND THE RANGE OF VOLTMETERS	37	38	24	60	53	50	49	49	48
M 817 M1-10 DO YOU USE OR REFER TO VOLTMETER SENSITIVITY (EXPRESSED IN UNITS OF OHMS PER VOLT)	50	38	27	73	63	67	55	55	42
M 818 M2-01 DO YOU WORK WITH SATURABLE REACTORS OR MAGNETIC AMPLIFIERS IN YOUR PRESENT JOB	14	2	28	6	26	21	29	13	11
M 819 M2-02 DO YOU INSPECT MAGNETIC AMPLIFIERS OR SATURABLE REACTORS	14	1	26	6	26	13	28	11	9
M 820 M2-03 DO YOU CLEAN MAGNETIC AMPLIFIERS OR SATURABLE REACTORS	8	1	19	4	18	12	26	10	8
M 821 M2-04 DO YOU ADJUST MAGNETIC AMPLIFIERS OR SATURABLE REACTORS	4	1	23	2	23	13	24	10	5
M 822 M2-05 DO YOU TROUBLESHOOT MAGNETIC AMPLIFIERS OR SATURABLE REACTORS	11	1	25	6	26	17	26	11	10
M 823 M2-06 DO YOU REMOVE OR REPLACE MAGNETIC AMPLIFIERS OR SATURABLE REACTORS	13	1	26	6	24	17	27	10	10
M 824 M2-07 DO YOU REMOVE OR REPLACE MAGNETIC AMPLIFIER OR SATURABLE REACTOR COMPONENTS	4	1	19	6	18	11	15	7	6

PCT MBRS RESPONDING 'YES' BY DAESC GROUPS

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AF HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DT-1SK

	SPC 610	SPC 611	SPC 612	SPC 613	SPC 614	SPC 615	SPC 616	SPC 617	SPC 618
0 889 02-15 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM POWER SUPPLIES	1	1	1	33	7	5	9	10	0
0 890 02-16 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM CHARGING CHOKES AND CHARGING DIODES	1	1	1	21	4	4	5	5	0
0 891 02-17 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM PULSE FORMING NETWORKS	1	1	1	33	6	3	8	9	0
0 892 02-18 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM TIMERS	1	1	1	29	5	4	9	10	0
0 893 02-19 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM SWITCHES SUCH AS GAS THYRATRON	0	1	0	15	5	1	5	3	0
0 894 02-20 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM PULSE TRANSFORMERS	0	1	1	23	6	3	6	10	0
0 895 02-21 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM TRANSMITTER TUBES	0	1	0	15	3	1	8	3	0
0 896 02-22 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM RF AMPLIFIERS	0	1	0	23	4	3	9	8	0
0 897 02-23 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM FREQUENCY CONVERTERS	0	1	1	25	6	4	9	8	0
0 898 02-24 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM IF AMPLIFIERS	0	1	0	21	5	4	9	9	0
0 899 02-25 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM DETECTORS	0	1	0	25	5	5	9	10	0
0 900 02-26 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM VIDEO AMPLIFIERS	0	1	0	27	6	5	9	10	0
0 901 02-27 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM POWER VIDEO AMPLIFIERS	0	1	0	21	5	5	9	10	0
0 902 02-28 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM DON'T REMEMBER WHICH PULSE MODULATION SYSTEM STAGES	0	1	0	10	4	3	1	5	0
0 903 02-29 DO YOU USE OR REFER TO PULSE RECURRENCE FREQUENCY (PRF)	0	1	1	31	7	6	8	9	0
0 904 02-30 DO YOU USE OR REFER TO PULSE RECURRENCE TIME (PRT)	0	1	1	29	7	6	9	9	0
0 905 02-31 DO YOU USE OR REFER TO PULSE WIDTH (PW)	1	1	1	31	7	6	9	10	0
0 906 02-32 DO YOU USE OR REFER TO PULSE SHAPE	1	1	1	31	7	6	9	11	0
0 907 02-33 DO YOU USE OR REFER TO PULSE POWER	0	1	1	27	6	6	6	11	0
0 908 02-34 DO YOU USE OR REFER TO AVERAGE POWER	0	1	1	25	6	5	5	10	0
0 909 02-35 DO YOU CALCULATE PULSE RECURRENCE TIME (PRT) OR PULSE RECURRENCE FREQUENCY (PRF)	0	1	1	21	4	4	9	6	0
0 910 02-36 DO YOU MEASURE PULSE RECURRENCE TIME (PRT) OR PULSE RECURRENCE FREQUENCY (PRF)	0	1	1	27	6	6	9	9	0
0 911 02-37 DO YOU USE FORMULAS TO CALCULATE AVERAGE POWER OR PEAK POWER OF PULSE MODULATION TRANSMIT SYSTEMS	0	1	1	17	2	5	4	6	0
0 912 02-38 DO YOU TRACE SIGNALS OR CURRENT PATHS THROUGH PULSE MODULATION TRANSMITTER SCHEMATIC DIAGRAMS	0	1	1	25	6	5	8	7	0
0 913 02-39 DO YOU TRACE SIGNALS OR CURRENT PATHS THROUGH PULSE MODULATION RECEIVER SCHEMATIC DIAGRAMS	0	1	1	21	4	4	6	6	0
0 914 03-01 DO YOU WORK WITH ANTENNAS IN YOUR PRESENT JOB	1	1	0	2	0	2	3	0	1
0 915 03-02 DO YOU INSPECT ANTENNAS	1	1	0	2	0	2	4	0	0

PCI MEMS RESPONDING 'YES' BY DAESC GROUPS

GPANDB PAGE 7A

AF HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

07-15K

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	610	611	612	613	614	615	616	617	618
0 916 03-03 DO YOU CLEAN ANTENNAS	0	1	0	2	0	2	3	0	0
0 917 03-04 DO YOU PHYSICALLY ALIGN ANTENNAS	0	1	0	2	0	1	1	0	0
0 918 03-05 DO YOU ELECTRICALLY ALIGN ANTENNAS	0	1	0	2	0	1	3	0	0
0 919 03-06 DO YOU TROUBLESHOOT TO ANTENNAS	1	1	0	2	0	2	3	0	1
0 920 03-07 DO YOU TROUBLESHOOT TO ANTENNA COMPONENTS	0	1	0	2	0	1	3	0	0
0 921 03-08 DO YOU REMOVE OR INSTALL ANTENNAS	0	1	0	2	0	2	3	0	0
0 922 03-09 DO YOU REMOVE OR REPLACE COMPONENTS OF ANTENNAS	0	1	0	2	0	1	3	0	0
0 923 03-10 DO YOU USE OR REFER TO TECHNICAL DATA CONTAINING REPRESENTATIONS OF E OR ELECTRIC FIELD LINES	0	1	0	0	0	1	4	0	0
0 924 03-11 DO YOU USE OR REFER TO TECHNICAL DATA CONTAINING REPRESENTATIONS OF H OR MAGNETIC FIELD LINES	0	1	0	0	0	1	4	0	0
0 925 03-12 DO YOU DETERMINE THE DIRECTION OF THE MAGNETIC LINES IN RELATION TO THE ELECTRIC LINES OF FORCE FOR ANTENNAS	0	1	0	0	0	1	4	0	0
0 926 03-13 DO YOU USE OR REFER TO THE GENERAL RULE THAT ANTENNAS WHICH ARE OF CORRECT LENGTH (HALF-WAVE) ACT AS INDUCTIVE LOADS TO THE GENERATOR	0	1	0	0	0	1	4	0	0
0 927 03-14 DO YOU USE OR REFER TO THE GENERAL RULE THAT ANTENNAS WHICH ARE LONGER THAN A HALF-WAVE ACT AS INDUCTIVE LOADS TO THE GENERATOR	0	1	0	0	0	1	4	0	0
0 928 03-15 DO YOU USE OR REFER TO THE GENERAL RULE THAT ANTENNAS WHICH ARE SHORTER THAN A HALF-WAVE ACT AS CAPACITIVE LOADS TO THE GENERATOR	0	0	0	0	0	1	3	0	0
0 929 03-16 DO YOU WORK WITH HERIZ ANTENNAS	0	0	0	2	0	1	1	0	0
0 930 03-17 DO YOU WORK WITH MARCONI ANTENNAS	0	0	0	0	0	1	1	0	0
0 931 03-18 DO YOU WORK WITH BROADSIDE ARRAYS	0	0	0	2	0	1	3	0	0
0 932 03-19 DO YOU WORK WITH END-FIRE ARRAYS	0	0	0	2	0	1	1	0	0
0 933 03-20 DO YOU WORK WITH CAROIID ARRAYS	0	0	0	2	0	1	1	0	0
0 934 03-21 DO YOU WORK WITH COLLINER ARRAYS	0	0	0	2	0	1	3	0	0
0 935 03-22 DO YOU USE OR REFER TO THE TERM ELECTROMAGNETIC INDUCTION FIELDS WHEN WORKING WITH ANTENNAS	0	0	0	0	0	1	4	0	0
0 936 03-23 DO YOU MEASURE ELECTROMAGNETIC INDUCTION FIELDS OF ANTENNAS	0	0	0	0	0	1	4	0	0
0 937 03-24 DO YOU USE OR REFER TO THE TERM ELECTROMAGNETIC RADIATION FIELDS WHEN WORKING WITH ANTENNAS	0	0	0	0	0	1	4	0	0
0 938 03-25 DO YOU MEASURE ELECTROMAGNETIC RADIATION FIELDS OF ANTENNAS	0	0	0	0	0	1	3	0	0
0 939 03-26 DO YOU USE OR REFER TO THE TIME PHASE OF ELECTRIC (E) AND MAGNETIC (H) COMPONENTS IN ANTENNA RADIATION	0	0	0	0	0	1	4	0	0
0 940 03-27 DO YOU USE OR REFER TO THE TIME PHASE OF ELECTRIC (E) AND MAGNETIC (H) COMPONENTS IN ANTENNA INDUCTION FIELD	0	0	0	0	0	1	3	0	0
0 941 03-28 ARE ANY OF THE ANTENNAS YOU WORK ON LINEARLY POLARIZED	0	0	0	0	0	1	4	0	0
0 942 03-29 ARE ANY OF THE ANTENNAS YOU WORK ON CIRCULARLY POLARIZED	0	0	0	0	0	1	3	0	0
0 943 03-30 DO YOU MEASURE OR DETERMINE THE POLARITY OF ANTENNAS YOU WORK ON	0	0	0	0	0	1	3	0	0
0 944 03-31 DO YOU CONSTRUCT, OR MAKE THE CALCULATIONS NECESSARY TO CONSTRUCT, ANTENNAS OF CORRECT LENGTH FOR SPECIFIC WAVELENGTHS	0	0	0	0	0	1	3	0	0

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	610	611	612	613	614	615	616	617	618
0 945 03-32 DO THE ANTENNA ARRAYS YOU WORK WITH CONTAIN PARASITIC ELEMENTS	0	0	0	0	0	1	1	0	0
0 946 03-33 DO THE ANTENNA ARRAYS YOU WORK WITH CONTAIN PARASITIC ELEMENTS SERVING AS DIRECTORS	0	0	0	0	0	1	1	0	0
0 947 03-34 DO THE ANTENNA ARRAYS YOU WORK WITH CONTAIN PARASITIC ELEMENTS SERVING AS REFLECTORS	0	0	0	0	0	1	1	0	0
0 948 03-35 DO THE ANTENNA ARRAYS YOU WORK WITH CONTAIN DON'T REMEMBER WHAT KIND OF ELEMENTS	0	0	0	2	0	0	3	0	0
0 949 03-36 DO YOU WORK ON UNIDIRECTIONAL ANTENNAS	0	0	0	0	0	1	1	0	0
0 850 03-37 DO YOU WORK ON BIDIRECTIONAL ANTENNAS	0	0	0	0	0	2	1	0	0
0 851 03-38 DO YOU WORK ON DON'T REMEMBER THE DIRECTIONALITY	0	0	0	2	0	1	3	0	0
0 852 03-39 DO YOU WORK WITH ROTAR ANTENNA ARRAYS	0	0	0	0	0	1	3	0	0
P 953 P1-01 IN YOUR PRESENT JOB DO YOU WORK WITH TRANSMISSION LINES (TRANSMISSION LINES ARE DEFINED TO INCLUDE LEADS BETWEEN RECEIVERS AND ANTENNAS, TELEPHONE LEADS, AS WELL AS HIGH VOLTAGE POWER LINES, ETC. DO NOT CONSIDER WAVEGUIDES AS TRANSMISSION LINES)	0	1	0	10	3	5	8	10	1
P 954 P1-02 DO YOU REFER TO OR USE COPPER LOSS OR IZR LOSS IN TRANSMISSION LINES	0	0	0	0	0	1	1	1	0
P 955 P1-03 DO YOU REFER TO OR USE SKIN EFFECTS OF HIGH FREQUENCY CURRENTS IN TRANSMISSION LINES	0	0	0	2	0	1	1	2	0
P 956 P1-04 DO YOU REFER TO OR USE RADIATION LOSS IN TRANSMISSION LINES	0	0	0	0	0	1	1	2	0
P 957 P1-05 DO YOU USE OR REFER TO DIELECTRIC LOSS IN TRANSMISSION LINES	0	1	0	2	0	2	1	1	0
P 958 P1-06 DO YOU USE OR REFER TO LEAKAGE LOSSES IN TRANSMISSION LINES	0	1	0	0	0	1	3	2	0
P 959 P1-07 DO YOU WORK WITH TAIKSTED PAIR TRANSMISSION LINES	0	1	0	4	3	3	3	7	0
P 960 P1-08 DO YOU WORK WITH TWIN LEAD TRANSMISSION LINES	0	1	0	6	2	3	3	4	1
P 961 P1-09 DO YOU WORK WITH OPEN TWO-WIRE TRANSMISSION LINES	0	1	0	4	0	3	1	2	0
P 962 P1-10 DO YOU WORK WITH FLEXIBLE COAXIAL CABLE TRANSMISSION LINES	0	2	0	8	3	6	5	10	1
P 963 P1-11 DO YOU WORK WITH RIGID COAXIAL CABLE TRANSMISSION LINES	0	0	0	0	0	1	4	2	1
P 964 P1-12 DO YOU TROUBLESHOOT TRANSMISSION LINES	0	2	0	6	2	5	6	9	1
P 965 P1-13 DO YOU ANALYZE VOLTAGE OR CURRENT WAVEFORMS IN TRANSMISSION LINES TO DETERMINE THE TYPE OF TERMINATION (OPEN, SHORTED, CAPACITIVE, INDUCTIVE)	0	1	0	0	1	3	1	4	0
P 966 P1-14 DO YOU SELECT APPROPRIATE TRANSMISSION LINES TERMINATIONS TO ACHIEVE DESIRED WAVEFORMS	0	0	0	0	0	2	1	1	0
P 967 P1-15 DO YOU USE OR REFER TO SCHEMATIC SYMBOLS FOR LINE TERMINATIONS IN TERMS OF CIRCUIT TERMINATIONS	0	1	0	2	1	3	5	6	0
P 968 P1-16 DO YOU MEASURE STANDING WAVE RATIOS (SWR) OF TRANSMISSION LINES	0	1	0	0	0	1	1	1	0
P 969 P1-17 DO YOU CALCULATE STANDING WAVE RATIOS (SWR) OF TRANSMISSION LINES	0	1	0	0	0	1	1	0	0
P 970 P1-18 DO YOU PERFORM THE CALCULATIONS NECESSARY TO DETERMINE THE IMPEDANCE AND LENGTH OF QUARTER - WAVELENGTH MATCHING TRANSFORMERS TO MATCH TRANSMISSION LINES TO LOADS	0	0	0	0	0	1	1	0	0

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DY-15K

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	610	611	612	613	614	615	616	617	618	
P 971 P1-19 DO YOU WORK WITH TRANSMISSION LINES WHICH ARE MATCHED TO LOADS USING MATCHING TRANSFORMERS	0	0	0	2	1	3	1	3	0	
P 972 P1-20 DO YOU WORK WITH TRANSMISSION LINES WHICH ARE MATCHED TO LOADS USING DELTA MATCHING	0	0	0	0	0	2	1	0	0	
P 973 P1-21 DO YOU SELECT THE TYPE OF TRANSMISSION LINE NEEDED FOR PARTICULAR JOBS WITHOUT REFERRING TO TECHNICAL DATA	0	0	0	0	0	1	1	1	0	
P 974 P1-22 DO YOU USE OR REFER TO THE TERM CHARACTERISTIC IMPEDANCE (Z0) OF TRANSMISSION LINES	0	1	0	0	0	3	1	1	0	
P 975 P1-23 DO YOU CALCULATE THE CHARACTERISTIC IMPEDANCE (Z0) OF TRANSMISSION LINES	0	0	0	0	0	1	1	0	0	
P 976 P1-24 DO YOU USE OR REFER TO THE TERM CUTOFF FREQUENCY OF TRANSMISSION LINES	0	0	0	0	0	1	1	0	0	
P 977 P1-25 DO YOU USE OR REFER TO THE TERM VELOCITY FACTOR (K) OF TRANSMISSION LINES	0	1	0	0	0	1	1	0	0	
P 978 P1-26 DO YOU COMPUTE THE ELECTRICAL LENGTH OF TRANSMISSION LINES FOR PARTICULAR FREQUENCIES	0	0	0	0	0	1	1	0	0	
P 979 P1-27 DO YOU CONSTRUCT TRANSMISSION LINES OF PARTICULAR ELECTRICAL LENGTH FOR GIVEN FREQUENCIES	0	0	0	0	0	2	1	0	0	
P 980 P1-28 DO YOU USE OR REFER TO THE GENERAL RULE THAT AS THE FREQUENCY INCREASES AND THE PHYSICAL LENGTH OF TRANSMISSION LINES REMAIN CONSTANT, THE ELECTRICAL LENGTH INCREASES	0	1	0	2	0	2	1	1	0	
P 981 P1-29 DO YOU WORK WITH NONRESONANT (FLAT) TRANSMISSION LINES	0	0	0	2	0	3	1	0	0	
P 982 P1-30 DO YOU WORK WITH RESONANT TRANSMISSION LINES	0	0	0	2	0	3	1	2	0	
P 983 P1-31 DO YOU WORK WITH TRANSMISSION LINES WHICH ARE MATCHED TO LOADS USING STUB MATCHING	0	0	0	2	0	3	3	1	0	
P 984 P2-01 DO YOU WORK WITH WAVEGUIDES OR CAVITY RESONATORS IN YOUR PRESENT JOB	0	0	0	0	0	1	3	0	0	
P 985 P2-02 DO YOU INSPECT WAVEGUIDES OR CAVITY RESONATORS	0	0	0	0	0	1	1	0	0	
P 986 P2-03 DO YOU CLEAN WAVEGUIDES OR CAVITY RESONATORS	0	0	0	0	0	1	1	0	0	
P 987 P2-04 DO YOU BEND WAVEGUIDES OR CAVITY RESONATORS	0	0	0	0	0	1	1	0	0	
P 988 P2-05 DO YOU TWIST WAVEGUIDES OR CAVITY RESONATORS	0	0	0	0	0	1	1	0	0	
P 989 P2-06 DO YOU PRESSURIZE WAVEGUIDES OR CAVITY RESONATORS	0	0	0	0	0	1	1	0	0	
P 990 P2-07 DO YOU PLUG WAVEGUIDES OR CAVITY RESONATORS	0	0	0	0	0	1	1	0	0	
P 991 P2-08 DO YOU TROUBLESHOOT WAVEGUIDES OR CAVITY RESONATORS	0	0	0	0	0	1	1	0	0	
P 992 P2-09 DO YOU REMOVE OR INSTALL COMPLETE WAVEGUIDES	0	0	0	0	0	1	1	0	0	
P 993 P2-10 DO YOU REMOVE OR INSTALL WAVEGUIDE SECTIONS	0	0	0	0	0	1	1	0	0	
P 994 P2-11 DO YOU REMOVE OR INSTALL DUMMY LOADS	0	0	0	0	0	1	1	0	0	
P 995 P2-12 DO YOU REMOVE OR INSTALL E BENDS	0	0	0	0	0	1	1	0	0	
P 996 P2-13 DO YOU REMOVE OR INSTALL H BENDS	0	0	0	0	0	1	1	0	0	
P 997 P2-14 DO YOU REMOVE OR INSTALL OTHER BENDS	0	0	0	0	0	1	1	0	0	
P 998 P2-15 DO YOU REMOVE OR INSTALL CHOKER JOINTS	0	0	0	0	0	1	1	0	0	
P 999 P2-16 DO YOU REMOVE OR INSTALL ROTATING JOINTS	0	0	0	0	0	1	1	0	0	
P1000 P2-17 DO YOU REMOVE OR INSTALL DIRECTIONAL COUPLERS	0	0	0	0	0	1	1	0	0	
P1001 P2-18 DO YOU REMOVE OR INSTALL BIDIRECTIONAL COUPLERS	0	0	0	0	0	1	1	0	0	
P1002 P2-19 DO YOU USE OR REFER TO "A" WALL OF WAVEGUIDES	0	0	0	0	0	1	1	0	0	

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

0Y-TSK

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	610	611	612	613	614	615	616	617	618
P1003 P2-20 DO YOU USE OR REFER TO "B" WALL OF WAVEGUIDES	0	0	0	0	0	1	1	0	0
P1004 P2-21 DO YOU USE OR REFER TO CUTOFF FREQUENCY OF WAVEGUIDES	0	0	0	0	0	1	1	0	0
P1005 P2-22 DO YOU USE OR REFER TO FREQUENCY-DETERMINING WALL OF WAVEGUIDES	0	0	0	0	0	1	1	0	0
P1006 P2-23 DO YOU USE OR REFER TO POWER-DETERMINING WALL OF WAVEGUIDES	0	0	0	0	0	1	1	0	0
P1007 P2-24 DO YOU USE OR REFER TO ELECTRIC FIELD BOUNDARY CONDITIONS	0	0	0	0	0	1	1	0	0
P1008 P2-25 DO YOU USE OR REFER TO MAGNETIC FIELD BOUNDARY CONDITIONS	0	0	0	0	0	1	1	0	0
P1009 P2-26 DO YOU USE OR REFER TO DUPLEXER FIELD BOUNDARY CONDITIONS	0	0	0	0	0	1	1	0	0
P1010 P2-27 DO YOU USE OR REFER TO THE GENERAL RULE THAT MOST WAVEGUIDES ARE MADE WITH A "B" WALL SIZE OF .7 WAVELENGTHS OF THE OPERATING FREQUENCY	0	0	0	0	0	1	1	0	0
P1011 P2-28 DO YOU USE OR REFER TO THE GENERAL RULE THAT MOST "A" WALLS RANGE FROM .2 TO .5 WAVELENGTHS IN SIZE, WITH .35 USED AS AN AVERAGE	0	0	0	0	0	1	0	0	0
P1012 P2-29 ARE YOU CONCERNED WITH THE MATERIAL (SUCH AS BRASS) WHICH WAVEGUIDES ARE MADE OF	0	0	0	0	0	1	0	0	0
P1013 P2-30 DO YOU COMPUTE THE LENGTH OF A WAVEGUIDE FOR SPECIFIC INSTALLATION	0	0	0	0	0	1	0	0	0
P1014 P2-31 DO YOU USE THE RIGHT HAND RULE TO DETERMINE THE DIRECTION OF PROPAGATION, DIRECTION OF "E" FIELD, OR DIRECTION OF "H" FIELD IN WAVEGUIDES	0	0	0	0	0	1	0	0	0
P1015 P2-32 DO YOU USE OR REFER TO THE TIME PHASE OF PEAK "E" OR "H" LINES IN WAVEGUIDES	0	0	0	0	0	1	0	0	0
P1016 P2-33 DO YOU MEASURE THE TIME PHASE OF "E" OR "H" LINES IN WAVEGUIDES	0	0	0	0	0	0	0	0	0
P1017 P2-34 DO YOU USE OR REFER TO THE SPACE QUADRATURE OF "E" OR "H" LINES IN WAVEGUIDES	0	0	0	0	0	1	0	0	0
P1018 P2-35 ARE HIGH POWER PROBES USED ON WAVEGUIDES OR CAVITY RESONATORS YOU WORK WITH	0	0	0	0	0	1	0	0	0
P1019 P2-36 ARE LOW POWER PROBES USED ON WAVEGUIDES OR CAVITY RESONATORS YOU WORK WITH	0	0	0	0	0	0	0	0	0
P1020 P2-37 ARE LOOPS USED ON WAVEGUIDES OR CAVITY RESONATORS YOU WORK WITH	0	0	0	0	0	0	0	0	0
P1021 P2-38 ARE APERTURES (WINDOWS OR IRISES) USED ON WAVEGUIDES OR CAVITY RESONATORS YOU WORK WITH	0	0	0	0	0	0	0	0	0
P1022 P2-39 ARE DON'T REMEMBER THE KIND OF ENERGY COUPLING USED ON WAVEGUIDES OR CAVITY RESONATORS YOU WORK WITH	0	0	0	0	0	0	0	0	0
P1023 P2-40 DO YOU DETERMINE WHERE PROBES SHOULD BE MOUNTED IN WAVEGUIDES OR CAVITY RESONATORS WITHOUT REFERRING TO TECHNICAL DATA	0	0	0	0	0	1	0	0	0
P1024 P2-41 DO YOU DETERMINE THE POSITIONING OF LOOPS IN WAVEGUIDES OR CAVITY RESONATORS WITHOUT REFERRING TO TECHNICAL DATA	0	0	0	0	0	1	0	0	0

PCT MBRS RESPONDING 'YES' BY DAFSC GROUPS

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AF HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DT-15K

	SPC	610	611	612	613	614	615	616	617	618
P1025 P2-42 DO YOU DETERMINE THE POSITIONING OR SIZE OF APERTURES IN WAVEGUIDES OR CAVITY RESONATORS WITHOUT REFERRING TO TECHNICAL DATA	0	0	0	0	0	0	0	0	0	0
P1026 P2-43 ARE CHOKE JOINTS USED IN WAVEGUIDES OR CAVITY RESONATORS YOU WORK WITH	0	0	0	0	0	0	1	0	0	0
P1027 P2-44 ARE ROTATING JOINTS USED IN WAVEGUIDES OR CAVITY RESONATORS YOU WORK WITH	0	0	0	0	0	0	1	0	0	0
P1028 P2-45 ARE DON'T REMEMBER THE KIND OF JOINTS USED IN WAVEGUIDES OR CAVITY RESONATORS YOU WORK WITH	0	0	0	0	0	0	1	0	0	0
P1029 P2-46 DO YOU TUNE CAVITY RESONATORS USING CAPACITIVE TUNING	0	0	0	0	0	0	1	0	0	0
P1030 P2-47 DO YOU TUNE CAVITY RESONATORS USING INDUCTIVE TUNING	0	0	0	0	0	0	0	0	0	0
P1031 P2-48 DO YOU TUNE CAVITY RESONATORS USING VOLUME TUNING	0	0	0	0	0	0	0	0	0	0
P1032 P2-49 DO YOU TUNE CAVITY RESONATORS USING DON'T REMEMBER THE METHOD OF TUNING	0	0	0	0	0	0	1	0	0	0
P1033 P2-50 DO YOU MEASURE THE FREQUENCY OF SIGNALS IN CAVITY RESONATORS	0	0	0	0	0	0	1	0	0	0
P1034 P1-01 IN YOUR PRESENT JOB DO YOU WORK WITH ALYSTONS, TRAVELLING WAVE TUBES (TWT), PARAMETRIC AMPLIFIERS, OR MAGNETRONS	0	0	0	0	2	0	1	1	0	1
P1035 P3-02 DO YOU USE OR REFER TO INTERELECTRODE CAPACITANCE	0	0	0	0	0	0	1	0	0	0
P1036 P3-03 DO YOU USE OR REFER TO ELECTRON TRANSIT TIME	0	0	0	0	0	0	1	0	0	1
P1037 P3-04 DO YOU USE OR REFER TO LEAD INDUCTANCE	0	0	0	0	0	0	1	0	0	1
P1038 P1-05 DO YOU USE OR REFER TO RF LOSSES IN EXTERNAL CIRCUITRY	0	0	0	0	0	0	1	0	0	1
P1039 P1-06 DO YOU USE OR REFER TO PRINCIPLE OF ELECTRON VELOCITY MODULATION	0	0	0	0	0	0	1	0	0	1
P1040 P1-07 DO YOU USE OR REFER TO ELECTRON BUNCHING	0	0	0	0	0	0	1	0	0	1
P1041 P3-08 DO YOU WORK WITH TWO-CAVITY ALYSTONS	0	0	0	0	0	0	0	0	0	0
P1042 P3-09 DO YOU WORK WITH THREE-CAVITY ALYSTONS	0	0	0	0	0	0	0	0	0	0
P1043 P3-10 DO YOU WORK WITH REFLEX ALYSTONS	0	0	0	0	0	0	1	0	0	0
P1044 P3-11 DO YOU WORK WITH TRAVELLING-WAVE TUBES (TWT)	0	0	0	0	0	0	0	0	0	0
P1045 P3-12 DO YOU WORK WITH NONDEGENERATIVE PARAMETRIC AMPLIFIERS	0	0	0	0	0	0	0	0	0	1
P1046 P3-13 DO YOU WORK WITH UP-CONVERTER PARAMETRIC AMPLIFIERS	0	0	0	0	0	0	1	0	0	0
P1047 P3-14 DO YOU WORK WITH MAGNETRONS	0	0	0	0	0	0	1	0	0	1
P1048 P3-15 DO YOU INSPECT ALYSTONS OR TWT	0	0	0	0	0	0	1	0	0	1
P1049 P3-16 DO YOU CLEAN ALYSTONS OR TWT	0	0	0	0	0	0	1	0	0	0
P1050 P3-17 DO YOU TUNE ALYSTONS OR TWT ELECTRICALLY	0	0	0	0	0	0	1	0	0	0
P1051 P3-18 DO YOU TUNE ALYSTONS OR TWT MECHANICALLY	0	0	0	0	0	0	1	0	0	0
P1052 P3-19 DO YOU PERFORM OPERATIONAL CHECKS OF ALYSTONS OR TWT	0	0	0	0	0	0	1	0	0	0
P1053 P3-20 DO YOU TROUBLESHOOT ALYSTONS OR TWT	0	0	0	0	0	0	1	0	0	0
P1054 P3-21 DO YOU REMOVE OR REPLACE COMPLETE ALYSTON OR TWT	0	0	0	0	0	0	1	0	0	0
P1055 P3-22 DO YOU REMOVE OR REPLACE ALYSTON OR TWT COMPONENTS	0	0	0	0	0	0	1	0	0	0
P1056 P3-23 DO YOU INSPECT PARAMETRIC AMPLIFIERS	0	0	0	0	0	0	1	0	0	1
P1057 P3-24 DO YOU CLEAN PARAMETRIC AMPLIFIERS	0	0	0	0	0	0	1	0	0	0
P1058 P3-25 DO YOU ADJUST PARAMETRIC AMPLIFIERS	0	0	0	0	0	0	1	0	0	0

PCT MEMRS RESPONDING 'YES' BY DAFSC GROUPS

TASK GROUP SUMMARY

PERCENT MEMBERS PERFORMING

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AF HUMAN RESOURCES LABORATORY

AIR FORCE SYSTEMS COMMAND

DY-15A

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	610	611	612	613	614	615	616	617	618
P1059 P3-26 DO YOU TUNE PARAMETRIC AMPLIFIERS	0	0	0	0	0	1	0	0	0
P1060 P3-27 DO YOU PERFORM OPERATIONAL CHECKS OF PARAMETRIC AMPLIFIERS	0	0	0	0	0	1	0	0	0
P1061 P3-28 DO YOU TROUBLESHOOT PARAMETRIC AMPLIFIERS	0	0	0	0	0	1	0	0	0
P1062 P3-29 DO YOU REMOVE OR REPLACE COMPLETE PARAMETRIC AMPLIFIER	0	0	0	0	0	1	0	0	0
P1063 P3-30 DO YOU REMOVE OR REPLACE PARAMETRIC AMPLIFIER COMPONENTS	0	0	0	0	0	1	0	0	0
P1064 P3-31 DO YOU INSPECT MAGNETRONS	0	0	0	2	0	1	0	0	0
P1065 P3-32 DO YOU CLEAN MAGNETRONS	0	1	0	2	0	1	0	0	0
P1066 P3-33 DO YOU ADJUST MAGNETRONS	0	0	0	2	0	1	0	0	0
P1067 P3-34 DO YOU TUNE MAGNETRONS	0	0	0	2	0	1	0	0	0
P1068 P3-35 DO YOU PERFORM OPERATIONAL CHECKS OF MAGNETRONS	0	0	0	2	0	0	0	0	0
P1069 P3-36 DO YOU TROUBLESHOOT MAGNETRONS	0	0	0	2	0	1	0	0	0
P1070 P3-37 DO YOU REMOVE OR REPLACE COMPLETE MAGNETRON	0	0	0	2	0	1	0	0	0
P1071 P3-38 DO YOU REMOVE OR REPLACE MAGNETRON COMPONENTS	0	0	0	2	0	1	0	0	0
P1072 P3-39 DO YOU REMOVE OR REFER TO THE OPERATING PRINCIPLES OF TWO-CAVITY ALYSTONS COLLECTOR PLATES	0	0	0	0	0	1	0	0	1
P1073 P3-40 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF TWO-CAVITY ALYSTONS CATCHER CAVITIES	0	0	0	0	0	1	0	0	0
P1074 P3-41 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF TWO-CAVITY ALYSTONS CATCHER CAVITIES	0	0	0	0	0	1	0	0	0
P1075 P3-42 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF TWO-CAVITY ALYSTONS CATCHER CAVITIES	0	0	0	0	0	1	0	0	0
P1076 P3-43 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF TWO-CAVITY ALYSTONS FEEDBACK LOOPS	0	0	0	0	0	1	0	0	0
P1077 P3-44 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF TWO-CAVITY ALYSTONS ORIFT SPACES	0	0	0	0	0	2	0	0	0
P1078 P3-45 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF TWO-CAVITY ALYSTONS BUNCHER GRIDDS	0	0	0	0	0	1	0	0	0
P1079 P3-46 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF TWO-CAVITY ALYSTONS BUNCHER CAVITIES	0	0	0	0	0	1	0	0	0
P1080 P3-47 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF TWO-CAVITY ALYSTONS CONTROL GRIDDS	0	0	0	0	0	1	0	0	0
P1081 P3-48 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF TWO-CAVITY ALYSTONS CATHODES	0	0	0	0	0	1	0	0	0
P1082 P3-49 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF REFLEX ALYSTRON REFLECTOR DEFLECTION PLATES	0	0	0	0	0	1	0	0	0
P1083 P3-50 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF REFLEX ALYSTRON GRIDDS	0	0	0	0	0	1	0	0	0
P1084 P3-51 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF REFLEX ALYSTRON GRID CAVITY GAPS	0	0	0	0	0	1	0	0	0
P1085 P3-52 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF REFLEX ALYSTRON RESONANT CAVITIES	0	0	0	0	0	1	0	0	0
P1086 P3-53 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF REFLEX ALYSTRON MAGNETIC COUPLING LOOPS	0	0	0	0	0	1	0	0	0
P1087 P3-54 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF REFLEX ALYSTRON FILAMENTS	0	0	0	0	0	1	0	0	0
P1088 P3-55 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF REFLEX ALYSTRON CATHODES	0	0	0	0	0	1	0	0	0

PCT MBRS RESPONDING 'YES' BY DAFSC GROUPS
TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

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AF HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND

DY-15M

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	610	611	612	613	614	615	616	617	618
P1088 P3-55 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF REFLEX ALYSTON OUTPUT LEADS	0	0	0	0	0	1	0	0	0
P1089 P3-56 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF TRAVELING-WAVE TUBES FILAMENTS	0	0	0	0	0	1	0	0	0
P1090 P3-57 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF TRAVELING-WAVE TUBES CATHODES	0	0	0	0	0	1	0	0	0
P1091 P3-58 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF TRAVELING-WAVE TUBES MODULATOR GRIDS	0	0	0	0	0	1	0	0	0
P1092 P3-59 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF TRAVELING-WAVE TUBES ANODES	0	0	0	0	0	1	0	0	0
P1093 P3-60 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF TRAVELING-WAVE TUBES MELINES	0	0	0	0	0	1	0	0	0
P1094 P3-61 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF TRAVELING-WAVE TUBES COLLECTORS	0	0	0	0	0	1	0	0	1
P1095 P3-62 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF TRAVELING-WAVE TUBES MAGNETS	0	0	0	0	0	1	0	0	1
P1096 P3-63 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF TRAVELING-WAVE TUBES ATTENUATORS	0	0	0	0	0	1	0	0	0
P1097 P3-64 DO YOU PERFORM TASKS ON PARAMETRIC AMPLIFIER FERRITE CIRCULATORS	0	0	0	0	0	1	0	0	0
P1098 P3-65 DO YOU PERFORM TASKS ON PARAMETRIC AMPLIFIER SIGNAL CAVITIES	0	0	0	0	0	1	0	0	0
P1099 P3-66 DO YOU PERFORM TASKS ON PARAMETRIC AMPLIFIER ISOLER CAVITIES	0	0	0	0	0	1	0	0	0
P1100 P3-67 DO YOU PERFORM TASKS ON PARAMETRIC AMPLIFIER VARIATOR DIODES	0	0	0	0	0	1	0	0	0
P1101 P3-68 DO YOU PERFORM TASKS ON PARAMETRIC AMPLIFIER FERRITE ISOLATORS	0	0	0	0	0	1	0	0	0
P1102 P3-69 DO YOU PERFORM TASKS ON PARAMETRIC AMPLIFIER REVERSE-BIAS BATTERIES	0	0	0	0	0	1	0	0	0
P1103 P3-70 DO YOU PERFORM TASKS ON ANODES	0	0	0	0	0	1	0	0	0
P1104 P3-71 DO YOU PERFORM TASKS ON ANODE COOLING PINS	0	0	0	0	0	1	0	0	0
P1105 P3-72 DO YOU PERFORM TASKS ON COUPLING LOOPS	0	0	0	0	0	1	0	0	0
P1106 P3-73 DO YOU PERFORM TASKS ON HEATER LEADS	0	0	0	0	0	1	0	0	0
P1107 P3-74 DO YOU PERFORM TASKS ON RESONANT CAVITIES	0	0	0	0	0	1	0	0	0
P1108 P3-75 DO YOU PERFORM TASKS ON CATHODES	0	0	0	0	0	1	0	0	0
P1109 P3-76 DO YOU PERFORM TASKS ON MAGNETS	0	0	0	0	0	1	0	0	0
P1110 Q1-01 DO YOU USE OR REFER TO STORAGE REGISTERS	1	1	6	63	5	81	90	86	1
P1111 Q1-02 DO YOU USE OR REFER TO SHIFT REGISTERS	2	0	8	60	5	79	32	86	1
P1112 Q1-03 DO YOU USE OR REFER TO LOGIC SYMBOLS OF SHIFT REGISTERS	2	1	7	60	5	77	31	82	1
P1113 Q1-04 DO YOU USE OR REFER TO LOGIC SYMBOLS OF STORAGE REGISTERS	2	1	5	63	5	76	36	81	1
P1114 Q1-05 DO YOU TRACE THE DATA FLOW THROUGH LOGIC DIAGRAMS OF SHIFT REGISTERS	0	0	4	52	4	74	31	78	1
P1115 Q1-06 DO YOU TRACE THE DATA FLOW THROUGH LOGIC DIAGRAMS OF OTHER TYPE OF REGISTERS	1	1	5	58	4	74	40	71	3

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	610	611	612	613	614	615	616	617	618
Q1116 Q1-07 DO YOU DETERMINE THE STATE OF EACH FLIP-FLOP OF A SHIFT REGISTER AFTER A SPECIFIED NUMBER OF SHIFT PULSES HAVE PASSED	1	1	7	44	3	58	29	63	1
Q1117 Q2-01 DO YOU WORK WITH DIGITAL COUNTERS, REGISTERS, OR STORAGE DEVICES IN YOUR PRESENT JOB	0	6	8	63	8	82	40	86	1
Q1118 Q2-02 DO YOU USE OR REFER TO DELAY LINES	2	1	2	27	6	68	28	64	1
Q1119 Q2-03 DO YOU USE OR REFER TO MAGNETIC CORES	1	1	2	52	5	80	31	84	1
Q1120 Q2-04 DO YOU USE OR REFER TO MAGNETIC DRUMS	0	1	1	21	6	54	12	72	1
Q1121 Q2-05 DO YOU USE OR REFER TO MAGNETIC TAPES	3	4	2	38	6	74	17	80	1
Q1122 Q2-06 DO YOU USE OR REFER TO ACCESS TIME OR SPEED OR MEMORY SYSTEMS	1	2	2	56	6	77	32	80	1
Q1123 Q2-07 DO YOU USE OR REFER TO WORD CAPACITY OF MEMORY SYSTEMS	1	1	2	52	7	78	32	81	0
Q1124 Q2-08 DO YOU USE OR REFER TO VOLATILITY OF MEMORY SYSTEMS	0	1	2	29	4	49	13	50	0
Q1125 Q2-09 DO YOU USE OR REFER TO LOGIC SYMBOL OF DELAY LINES	0	1	2	27	4	66	26	64	0
Q1126 Q3-01 IN YOUR PRESENT JOB, DO YOU WORK WITH DIGITAL-TO-ANALOG (D/A) CONVERTERS, ANALOG-TO-DIGITAL (A/D) CONVERTERS, OR BINARY-TO-DECIMAL READOUT CONVERTERS	3	3	10	73	12	89	49	90	0
Q1127 Q3-02 DO YOU COMPUTE OUTPUT VOLTAGES FOR ELECTROMECHANICAL DIGITAL-TO-ANALOG (D/A) CONVERTERS FOR GIVEN INPUT VOLTAGES	1	1	4	35	6	55	22	52	0
Q1128 Q3-03 DO YOU USE OR REFER TO THE GENERAL RULE THAT THE COUNT IN ELECTROMECHANICAL DIGITAL-TO-ANALOG (D/A) CONVERTERS IS DETERMINED BY ADDING THE DENOMINATORS OF THE RESISTORS	0	0	3	29	4	30	10	30	0
Q1129 Q3-04 DO YOU COMPUTE ANALOG VOLTAGES FOR GIVEN BINARY COUNTS IN ELECTRONIC DIGITAL-TO-ANALOG (D/A) CONVERTERS	0	1	6	46	6	55	19	48	0
Q1130 Q3-05 DO YOU PERFORM SAMPLE FUNCTION TASKS ON VARIABLE TIME ANALOG-TO-DIGITAL (A/D) CONVERTER CIRCUITS	1	1	6	23	3	52	12	43	0
Q1131 Q3-06 DO YOU PERFORM HOLD FUNCTION TASKS ON VARIABLE TIME ANALOG-TO-DIGITAL (A/D) CONVERTER CIRCUITS	1	1	6	21	3	52	19	46	0
Q1132 Q3-07 DO YOU PERFORM COMPARE FUNCTION TASKS ON VARIABLE TIME ANALOG-TO-DIGITAL (A/D) CONVERTER CIRCUITS	1	1	6	23	3	45	10	43	0
Q1131 Q3-08 DO YOU PERFORM DIGITIZE FUNCTION TASKS ON VARIABLE TIME ANALOG-TO-DIGITAL (A/D) CONVERTER CIRCUITS	1	1	3	25	3	39	10	33	0
Q1134 Q3-09 DO YOU PERFORM DOWN-TIME REMEMBER WHICH FUNCTION TASKS ON VARIABLE TIME ANALOG-TO-DIGITAL (A/D) CONVERTER CIRCUITS	0	1	2	29	4	34	17	25	0
Q1135 Q3-10 DO YOU USE OR REFER TO SAMPLE FUNCTION OF A/D CONVERTERS	1	0	8	31	4	57	17	50	0
Q1136 Q3-11 DO YOU USE OR REFER TO HOLD FUNCTION OF A/D CONVERTERS	1	0	8	27	4	59	19	50	0
Q1137 Q3-12 DO YOU USE OR REFER TO COMPARE FUNCTION OF A/D CONVERTERS	1	1	8	29	4	55	15	52	0
Q1138 Q3-13 DO YOU USE OR REFER TO DIGITAL FUNCTION OF A/D CONVERTERS	1	1	7	40	5	63	21	60	0
Q1139 Q3-14 DO YOU PERFORM ANY TASKS ON MECHANICAL ANALOG-TO-DIGITAL (A/D) CONVERTERS	1	1	2	33	8	39	21	39	0

PCT MBRS RESPONDING 'YES' BY DAFSC GROUPS

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AF HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DY-15K

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	610	611	612	613	614	615	616	617	618
11169 11-11 DO YOU USE OR REFER TO FAR REGION	0	0	0	0	0	1	0	0	0
11170 11-12 DO YOU USE OR REFER TO INTERMEDIATE REGION	0	0	0	0	0	1	0	0	0
11171 11-13 DO YOU USE OR REFER TO NEAR REGION	0	0	0	0	0	1	0	0	0
11172 11-14 DO YOU USE OR REFER TO MICRON	0	0	0	0	0	1	0	0	0
11173 11-15 DO YOU USE OR REFER TO GRAY BOOTIES	0	0	0	0	0	1	0	0	0
11174 11-16 DO YOU USE OR REFER TO BLACK BOOTIES	0	0	0	0	0	1	0	0	0
11175 11-17 DO YOU USE OR REFER TO ABSORPTION	0	0	0	0	0	1	0	0	0
11176 11-18 DO YOU USE OR REFER TO SCATTERING	0	0	0	0	0	1	0	0	0
11177 11-19 DO YOU USE OR REFER TO ABSOLUTE ZERO	0	0	0	0	0	1	0	0	0
11178 11-20 DO YOU PERFORM TASKS ON BLITZ	0	0	0	0	0	1	0	0	0
11179 11-21 DO YOU PERFORM TASKS ON TARGET BUTTONS	0	0	0	0	0	1	0	0	0
11180 11-22 DO YOU PERFORM TASKS ON EJECTOR LENSES	0	0	0	0	0	1	0	0	0
11181 11-23 DO YOU PERFORM TASKS ON OCULAR LENSES	0	0	0	0	0	1	0	0	0
11182 11-24 DO YOU PERFORM TASKS ON CORRECTION LENSES	0	0	0	0	0	1	0	0	0
11183 11-25 DO YOU PERFORM TASKS ON FILTERS	0	0	0	0	0	1	0	0	0
11184 11-26 DO YOU PERFORM TASKS ON SPHERICAL MIRRORS	0	0	0	0	0	1	0	0	0
11185 11-27 DO YOU PERFORM TASKS ON PLANE MIRRORS	0	0	0	0	0	1	0	0	0
11186 12-01 DOES YOUR PRESENT JOB INVOLVE ANY TASKS DEALING WITH LASERS	0	0	0	0	0	1	0	0	0
11187 12-02 DO YOU INSPECT LASER SYSTEMS	0	0	0	0	0	1	0	0	0
11188 12-03 DO YOU CLEAN LASER SYSTEMS	0	0	0	0	0	1	0	0	0
11189 12-04 DO YOU OPERATE LASER SYSTEMS	0	0	0	0	0	1	0	0	0
11190 12-05 DO YOU OPERATE LASER SYSTEMS	0	0	0	0	0	1	0	0	0
11191 12-06 DO YOU TROUBLESHOOT WIRE CONNECTIONS OF LASER SYSTEMS	0	0	0	0	0	1	0	0	0
11192 12-07 DO YOU TROUBLESHOOT MAJOR ASSEMBLIES OF LASER SYSTEMS	0	0	0	0	0	1	0	0	0
11193 12-08 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF LASER SYSTEMS	0	0	0	0	0	0	0	0	0
11194 12-09 DO YOU REMOVE OR REPLACE MAJOR ASSEMBLIES OF LASER SYSTEMS	0	0	0	0	0	1	0	0	0
11195 12-10 DO YOU REMOVE OR REPLACE COMPONENT PARTS OF LASER SYSTEMS	0	0	0	0	0	0	0	0	0
11196 12-11 DO YOU USE OR REFER TO ANGSTROMS (A)	0	0	0	0	0	1	0	0	0
11197 12-12 DO YOU USE OR REFER TO ELECTRON ENERGY LEVELS	0	0	0	0	0	1	0	0	0
11198 12-13 DO YOU USE OR REFER TO GROUND STATE	0	0	0	0	0	1	0	1	0
11199 12-14 DO YOU USE OR REFER TO EXCITED STATE	0	0	0	0	0	0	0	0	0
11200 12-15 DO YOU USE OR REFER TO PACKET OF RADIATION	0	0	0	0	0	0	0	0	0
11201 12-16 DO YOU USE OR REFER TO PHOTONS	0	0	0	0	0	1	0	0	0
11202 12-17 DO YOU USE OR REFER TO SPONTANEOUS EMISSION	0	0	0	0	0	1	0	0	0
11203 12-18 DO YOU USE OR REFER TO STIMULATED EMISSION	0	0	0	0	0	1	0	0	0
11204 12-19 DO YOU USE OR REFER TO INCOHERENCE	0	0	0	0	0	1	1	0	0
11205 12-20 DO YOU USE OR REFER TO INCOHERENCE	0	0	0	0	0	1	0	0	0
11206 12-21 DO YOU USE OR REFER TO MONOCHROMATIC	0	0	0	0	0	1	0	0	0
11207 12-22 DO YOU WORK WITH ACTIVE MATERIALS	0	0	0	0	0	1	0	0	0
11208 12-23 DO YOU WORK WITH PUMPING SOURCES	0	0	0	0	0	1	0	0	0
11209 12-24 DO YOU WORK WITH FULL SILVERED (100% REFLECTIVE) MIRRORS	0	0	0	0	0	1	0	0	0

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

		DY-15K																SPC SPC SPC SPC SPC SPC SPC SPC SPC SPC SPC SPC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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11210	12-25 DO YOU WORK WITH HALF SILVERED 192A REFLECTIVE)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

AD-A050 611

AIR FORCE OCCUPATIONAL MEASUREMENT CENTER LACKLAND A--ETC F/G 5/9
SUMMARY REPORT FOR AFSCS TRAINED AT CHANUTE AFB.(U)
FEB 78 C D GORMAN

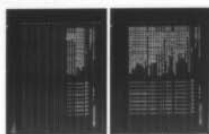
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TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

	DI-15K	SPC 610	SPC 611	SPC 612	SPC 613	SPC 614	SPC 615	SPC 616	SPC 617	SPC 618
U1249 U1-16 DO YOU PERFORM TASKS ON INPUT DEVICES	1	0	8	56	5	79	17	76	0	
U1250 U1-17 DO YOU PERFORM TASKS ON STORAGE DEVICES	0	0	4	44	4	74	17	74	0	
U1251 U1-18 DO YOU PERFORM TASKS ON ARITHMETIC SECTIONS	0	0	2	33	4	70	12	64	0	
U1252 U1-19 DO YOU PERFORM TASKS ON CONTROL SECTIONS	1	1	5	46	4	71	19	70	0	
U1253 U1-20 DO YOU PERFORM TASKS ON OUTPUT DEVICES	0	1	7	54	5	79	22	77	0	
U1254 U1-21 DO YOU PERFORM TASKS ON POWER SUPPLIES	1	1	7	67	4	79	22	78	0	
U1255 U2-01 DO YOU USE DECIBELS TO EXPRESS AMPLIFICATION AND ATTENUATION	4	2	2	27	7	6	17	12	1	
U1256 U2-02 DO YOU USE LOGARITHMS TO COMPUTE OUTPUT POWER IN DECIBELS	0	1	0	15	2	3	6	4	1	
U1257 U2-03 DO YOU USE LOGARITHMS TO COMPUTE ATTENUATION IN DECIBELS	0	1	0	15	2	2	6	5	0	
U1258 U2-04 DUMMY TASK TO IDENTIFY INCUMBENTS WHO PERFORMED NO TASKS	0	1	18	0	0	1	0	1	0	

PCI MEMS RESPONDING 'YES' BY DAFSC GROUPS

GROUPS PAGE 88

AF HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DI-TSM

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	610	611	612	613	619	615	616	617	618	
11210 12-25 DO YOU WORK WITH HALF SILVERED 1928 REFLECTIVE)	0	0	0	0	0	0	0	0	0	0
MIRRORS										
11211 12-26 DO YOU WORK WITH HELICAL FLASHTUBES	0	0	0	0	0	0	0	0	0	0
11212 12-27 DO YOU WORK WITH RUBY	0	0	0	0	0	0	0	0	0	0
11213 12-28 DO YOU WORK WITH HELIUM-NEON	0	0	0	0	0	0	0	0	0	0
11214 12-29 DO YOU WORK WITH HELIUM-NEON	0	0	0	0	0	0	0	0	0	0
11215 12-30 DO YOU WORK WITH XENON	0	0	0	0	0	0	0	0	0	0
11216 12-31 DO YOU WORK WITH CESIUM-HELIUM	0	0	0	0	0	0	0	0	0	0
11217 12-32 DO YOU WORK WITH ARGON	0	0	0	0	0	0	0	0	0	0
11218 12-33 DO YOU WORK WITH NEODYMIUM IN GLASS	0	0	0	0	0	0	0	0	0	0
11219 12-34 DO YOU WORK WITH GALLIUM ARSENIDE	0	0	0	0	0	0	0	0	0	0
11220 13-01 IN YOUR PRESENT JOB DO YOU WORK WITH DISPLAY TUBES, SUCH AS DIRECT VIEW STORAGE (DVS) OR MULTIPLE MODE STORAGE TUBES (MST)	0	0	0	0	0	0	0	0	0	0
11221 13-02 DO YOU INSPECT DVS OR MST	0	0	0	0	0	0	0	0	0	0
11222 13-03 DO YOU CLEAN DVS OR MST	0	0	0	0	0	0	0	0	0	0
11223 13-04 DO YOU ADJUST OR CALIBRATE DVS OR MST	0	0	0	0	0	0	0	0	0	0
11224 13-05 DO YOU OPERATE SYSTEMS THAT CONTAIN DVS OR MST	0	0	0	0	0	0	0	0	0	0
11225 13-06 DO YOU TROUBLESHOOT DVS OR MST	0	0	0	0	0	0	0	0	0	0
CIRCUITS										
11226 13-07 DO YOU REMOVE OR REPLACE DVS OR MST TUBES FROM MAJOR ASSEMBLIES OR UNITS	0	0	0	0	0	0	0	0	0	0
11227 13-08 DO YOU PERFORM TASKS THAT MAKE IT NECESSARY TO NAME THE VARIOUS ELEMENTS OF DVS	0	0	0	0	0	0	0	0	0	0
11228 13-09 DO YOU PERFORM TASKS THAT MAKE IT NECESSARY TO NAME THE VARIOUS ELEMENTS OF MST	0	0	0	0	0	0	0	0	0	0
11229 13-10 DO YOU PERFORM TASKS ON FLOOD GUNS	0	0	0	0	0	0	0	0	0	0
11230 13-11 DO YOU PERFORM TASKS ON WRITE GUNS	0	0	0	0	0	0	0	0	0	0
11231 13-12 DO YOU PERFORM TASKS ON ATTACH GUNS	0	0	0	0	0	0	0	0	0	0
11232 13-13 DO YOU PERFORM TASKS ON ERASE GUNS	0	0	0	0	0	0	0	0	0	0
11233 13-14 DO YOU PERFORM TASKS ON STORAGE GRIDS	0	0	0	0	0	0	0	0	0	0
11234 13-15 DO YOU PERFORM TASKS ON STORAGE GRIDS	0	0	0	0	0	0	0	0	0	0
TASKS										
11235 13-01 DO YOU USE OR REFER TO PROGRAMS	1	2	5	6	5	6	7	6	0	0
11236 13-02 DO YOU USE OR REFER TO PROGRAMS	3	3	2	6	6	6	6	6	0	0
11237 13-03 DO YOU USE OR REFER TO PROGRAMS	0	0	0	0	0	0	0	0	0	0
11238 13-04 DO YOU USE OR REFER TO PROGRAMS	0	0	0	0	0	0	0	0	0	0
11239 13-05 DO YOU USE OR REFER TO PROGRAMS	2	1	2	4	4	4	4	4	0	0
11240 13-06 DO YOU USE OR REFER TO PROGRAMS	0	0	0	0	0	0	0	0	0	0
11241 13-07 DO YOU USE OR REFER TO PROGRAMS	2	2	8	7	6	6	6	6	1	1
11242 13-08 DO YOU USE OR REFER TO PROGRAMS	0	0	0	0	0	0	0	0	0	0
11243 13-09 DO YOU USE OR REFER TO PROGRAMS	0	0	0	0	0	0	0	0	0	0
11244 13-10 DO YOU USE OR REFER TO PROGRAMS	1	2	0	0	0	0	0	0	0	0
11245 13-11 DO YOU USE OR REFER TO PROGRAMS	1	2	0	0	0	0	0	0	0	0
11246 13-12 DO YOU USE OR REFER TO PROGRAMS	2	1	1	1	1	1	1	1	0	0
11247 13-13 DO YOU USE OR REFER TO PROGRAMS	0	1	1	1	1	1	1	1	0	0
11248 13-14 DO YOU USE OR REFER TO PROGRAMS	3	3	7	7	6	5	5	5	0	0
11249 13-15 DO YOU USE OR REFER TO PROGRAMS	0	1	0	0	0	0	0	0	0	0